



*a Catalog from*  
**B-KAROL & SONS CO**  
*of Chicago*



## Catalog R



### ALWAYS FILLED TO ITS CAPACITY AWAITING YOUR ORDERS

When dealing with us you are assured of getting Guaranteed Plumbing and Heating supplies at a great saving. Never before have such low prices, together with our quality and service, been offered to the public. All of our factories stand back of our guarantees.

**NOW** /

## Make Your House a Home with Modern Plumbing and Heating

**M**ANY people in the past who have desired modern plumbing and heating in their homes have been under the impression that the cost was too high. This need not stop you from installing good plumbing and heating today, because we are prepared to show you how to have these necessities at a very low cost. If you are buying a home or if your own home does not have these conveniences, or if you are building, we can show you how to save money in dealing with us.

### A Sketch is All That is Needed

If you will send us a floor plan of the house giving the exact size of each room with the location of the doors, windows and other exposures, we will furnish you with an estimate of the cost of your requirements. From these simple plans we will figure out the most economical and efficient way for you to install your own Plumbing and Heating System and furnish you with detailed instruction on how to do the work.

### Save the Cost of Installation

One of the most expensive items in Plumbing and Heating is the cost of installation. With our proposition and our complete plans your only cost is for the material. You can install the job yourself in your spare time.

### Simple and Easy to Install

With our directions and plans the work is so simple that the largest job should cause you no trouble. If you don't have the spare time to do this you can get any handy man to do it for you. You don't need an expert, and this means a big saving to you because experts' charges are very high.

Do not let the lack of tools make you think you cannot do this work. With a deposit we will furnish you the necessary tools with the material. This money will be refunded when you return the tools and the loan will not cost you a cent. Large sizes of pipes on Heating Plants are cut to the size necessary.

**B. KAROL & SONS CO.**

ESTABLISHED 1888

800 - 802 South Kedzie Ave.  
CHICAGO, ILL.



# Modern Bathroom Outfits

*Easily installed  
in your home*

**Supreme  
Bathroom  
Outfit  
\$110<sup>10</sup>  
Complete**

*Bathtub*, corner built-in pattern, 5 feet long, 30 inches wide, enameled inside and outside. The waste and supply fixtures are concealed in the wall and only the solid china cross handles and flanges are exposed. RIGHT hand corner tub as shown will be furnished unless LEFT hand is specified.

*Closet Combination* consists of a syphon jet bowl of the noiseless type, high grade porcelain tank of large capacity, with all white china trip lever, heavy interior trimmings and mahogany or golden oak finished seat.

*Lavatory* of high grade porcelain enamel, square pedestal design. Size of slab 20x24 inches. Equipped with the latest style mixing valves, by which hot and cold water can be mixed to the desired temperature. Heavy brass nickel plated trap and supply pipes for either floor or wall connection. Trap and supplies to the wall will be furnished unless otherwise specified.

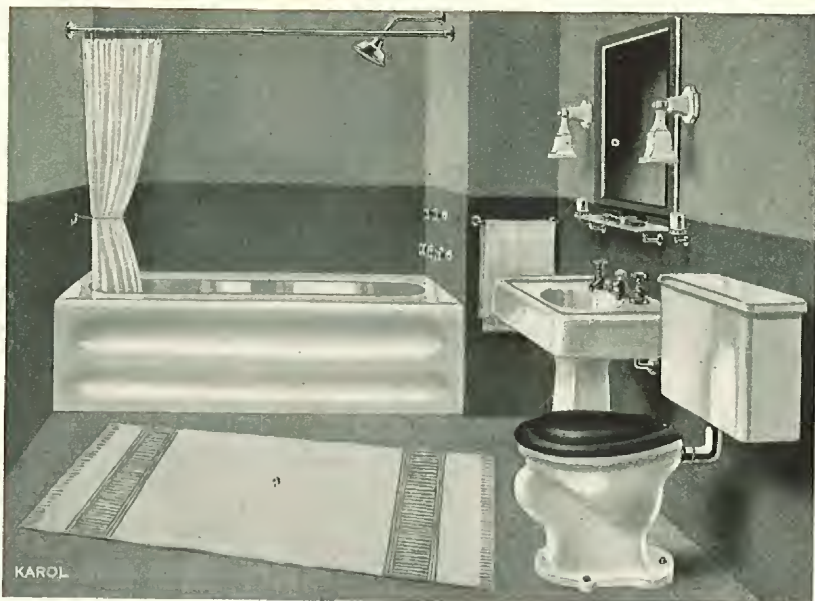
Shipping weight about 800 pounds.

If shower bath, similar to the one shown in the PEERLESS outfit but for corner is wanted, add.....\$11.00

If white celluloid seat is wanted instead of mahogany or golden oak, add .....\$2.00

If 5½-foot bathtub is desired add..... 4.00





# Modern Bathroom Outfits

*Easily installed  
in your home*

## Peerless Bathroom Outfit

**\$96.60**

## Complete

WITHOUT SHOWER  
BATH

**Bathtub**, recess built-in apron pattern, 5 feet long, 30 inches wide, enameled inside and outside. 4½ foot tub can be furnished at the same price when specified. The waste and supply fixtures are concealed in the wall and only the full china cross handles and flanges are exposed. RIGHT hand trimmings as shown will be furnished unless LEFT hand is specified.

**Closet** combination consists of a deep seal syphon action wash-down bowl with jet, high grade solid porcelain tank of large capacity with all white china trip lever, heavy interior trimmings and mahogany or golden oak seat.

**Lavatory** of high grade porcelain enamel, square pedestal design. Size of slab 20x24 inches. Nickel plated pop-up waste fixture with solid china knob, which eliminates the necessity of a rubber stopper. Heavy elevated pattern compression basin cocks with solid china cross handles indexed "hot" and "cold" and nickel plated trap and supply pipes either to the floor or wall. Trap and supplies to the wall will be furnished unless otherwise specified.

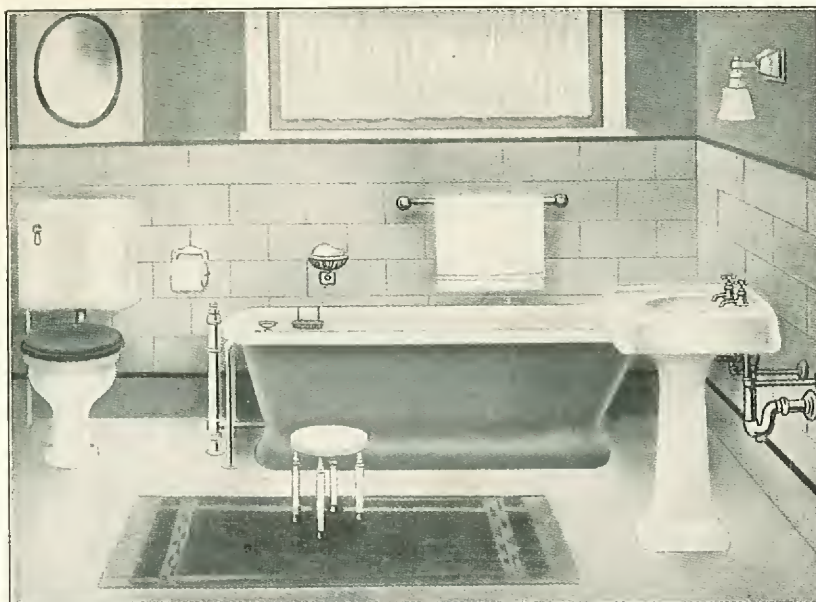
Shipping weight about 725 pounds.

**Shower Equipment** brass nickel plated rod and all china head and flange, concealed shower valves with only the solid china cross handles indexed "hot" and "cold" and china flanges exposed, also heavy duck curtain. Complete.....\$10.00

If white celluloid finished seat wanted instead of golden oak or mahogany, add .....\$2.00

If 5½ foot bathtub is desired, add..... 4.00





## Modern Bathroom Outfits

Easily Installed in Your Home

### Majestic Bathroom Outfit Complete \$83.45

*Bathtub* of cast-iron, porcelain enameled inside, painted outside, on base. Equipped with IDEAL waste which eliminates the necessity of a rubber stopper, nickel plated combination bathcock and nickel plated supply pipes. The tub is 30 inches wide and can be furnished either 4½ or 5 foot long.

*Closet* combination consists of a syphon jet bowl of the noiseless type, high grade solid china tank of large capacity with all white china trip lever, heavy interior trimmings, and mahogany or golden oak finished seat.

*Lavatory* of cast-iron, porcelain enameled, square pedestal design. Size of slab 20x24 inches. Equipped with nickel plated pop-up waste with solid china knob, compression basin cocks with full china cross handles indexed "hot" and "cold" and nickel plated trap and supply pipes either to the floor or wall. Trap and supplies to the wall will be furnished unless otherwise specified.

Shipping weight about 725 pounds.

If white celluloid finished seat is wanted instead of mahogany or golden oak, add.....\$2.00  
This outfit with regular trimmings on the lavatory and bathtub instead of the lifting wastes, otherwise the same.79.00



## Jewel Bathroom Outfit \$57.20 Complete

*Bathtub*, cast - iron porcelain enameled inside, painted outside. Equipped with nickel plated combination bathcock, combination waste and overflow and supply pipes. Tub can be furnished in 4, 4½ or 5 foot length at the same price. Width 30 inches. Can also be furnished in 26 inch width.

*Closet* combination consists of a deep seal syphon action washdown bowl with jet, high grade solid china tank of large capacity, with all white china trip lever, heavy interior trimmings and mahogany or golden oak seat.

*Lavatory* of cast-iron porcelain enameled. Equipped with nickel plated compression basin cocks with china indexed handles, nickel plated trap and supply pipes either to the floor or wall. Trap and supplies to the wall will be furnished unless otherwise specified. Size of lavatory 18x21 inches with 8 inch back.

Shipping weight about 490 pounds.

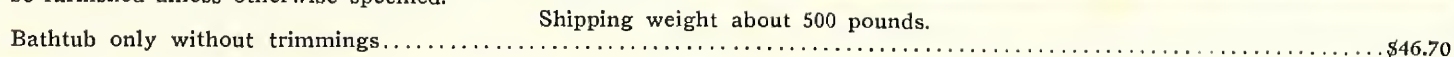
If white celluloid finished seat is wanted instead of mahogany or golden oak, add.....\$2.00

This outfit can be furnished with 17x19 inch lavatory and bathtub equipped with short supplies, otherwise the same for.....\$54.00





**R-104.** *Bathtub*, corner built-in apron pattern, 5 feet long, 30 inches wide, cast-iron porcelain enameled inside and outside. The waste and supply fixtures are all heavy cast brass, highly nickel plated having solid china cross handles indexed "HOT," "COLD" and "WASTE." The only logical bathtub with connections that will fit where the waste and supply pipes come through the floor and where concealed fixtures cannot be installed. This tub can be furnished to be built in either right or left hand corner, but RIGHT hand as shown will be furnished unless otherwise specified.



**R-105.** *Bathtub*, corner built-in apron pattern, 5 feet long, 30 inches wide, cast-iron, enameled inside and outside. The waste and supply fixtures are concealed in the wall and only the solid china cross handles and flanges are exposed. RIGHT hand corner tub as shown will be furnished unless LEFT hand is specified. This is the style tub that is now being installed when sanitary conditions are desired.

Shipping weight about 480 pounds.

If a 5½ foot tub is desired add.....	\$ 4.00
Bathtub only without trimmings.....	46.70

*Built-in Recess Apron Bathtub Complete* \$53<sup>35</sup>

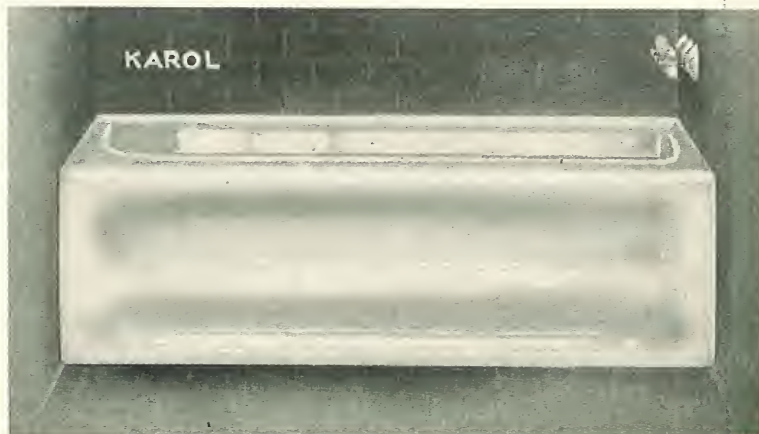
**R-106.** *Bathtub*, recess apron pattern, 4½ or 5 feet long, 30 inches wide, cast-iron enameled inside and outside. The waste and supply fixtures are concealed in the wall and only the china cross handles and flanges are exposed. A 5 foot tub with RIGHT hand trimmings as shown will be furnished unless LEFT hand is specified. Shipping weight about 450 pounds.

Bathtub only without trimmings .....	\$42.65
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If a 5½ foot tub is desired,  
add .....\$4.00

## Colored Bath Tubs One-third More

You may make up your own bathroom outfit by selecting fixtures separately.



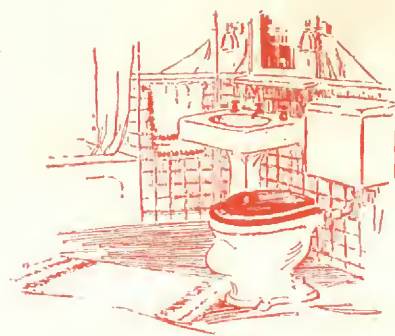
**B. KAROL  
& SONS  
CO.**

# Make up Your Own Outfit

## Built-in Roll Rim Recess Bathtub Complete



**\$43<sup>50</sup>**



**R-107.** *Bathtub*, cast-iron porcelain enameled inside, painted outside. This tub is of the same quality as the higher priced built-in tubs, except that it has the 3-inch roll rim instead of the apron. The waste and supply fixtures are concealed in the wall and only the solid china indexed cross handles and china flanges are exposed. RIGHT hand trimmings as shown will be furnished unless LEFT hand is specified. Length 4½ or 5 feet, width 30 inches. Shipping weight 300 pounds.

This tub can be furnished with combination bathcock and regular waste and overflow.....\$36.85  
Tub only without trimmings, either style..... 32.65  
If a 5½ foot tub is desired add..... 3.30

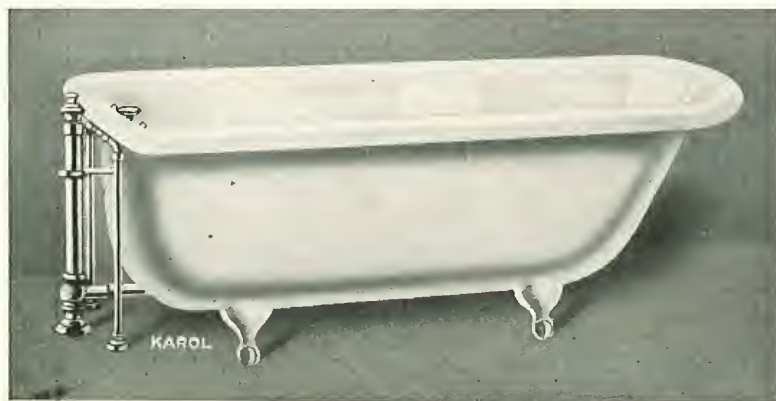
## Roll Rim Base Tub Complete \$34<sup>25</sup>

**R-108.** *Bathtub*, cast iron, porcelain enameled inside and painted outside, on base. Equipped with "IDEAL" lifting waste with china knob, eliminating the necessity of a rubber stopper, heavy nickel plated combination bathcock and supply pipes. Width of tub 30 inches.

Length .....	4½ ft.	5 ft.
Shipping Weight .....	275 lbs.	300 lbs.
Price complete .....	\$34.00	\$34.25
Bathtub complete with trimmings like R-123 .....	30.60	30.85
Price bathtub only .....	27.00	27.25



## Roll Rim Tub Complete \$29<sup>90</sup>



**R-109.** *Bathtub*, cast-iron porcelain enameled inside and painted outside. Equipped with nickel plated combination bathcock for hot and cold water, nickel plated "IDEAL" waste with solid china knob, eliminating the necessity of a rubber stopper and nickel plated supply pipes. Width 30 inches, including 3-inch roll rim. This tub can be supplied 26 inches wide, no extra charge.

Length...	4 ft.	4½ ft.	5 ft.
Shipping weight.	225lbs.	250lbs.	300lbs.
Price complete ..	\$29.60	\$29.75	\$29.90
Price tub only ...	21.80	21.90	22.00

**800-802  
SO. KEDZIE  
AVE.  
CHICAGO**



# Select Fixtures Separately



R-110. *Lavatory.* Cast iron porcelain enameled, size 18x24 inches with 10 inch high back. Equipped with nickel plated china indexed basin cocks, nickel plated trap and supply pipes for either floor or wall connection. Wall trimmings will be furnished unless floor is specified. Shipping weight about 90 pounds.

Complete.....**\$13.70**  
Lavatory only without trimmings.....\$9.80  
This lavatory can be furnished 17x21 inches complete for .....\$12.05



R-114. *Lavatory.* Porcelain enameled cast iron, size 18x24 inches with 10 inch high back. Equipped with nickel plated pop-up waste having china knob, designed to eliminate the rubber stopper, heavy nickel plated compression basin cocks indexed hot and cold, nickel plated trap and supply pipes either for floor or wall connection. Wall trimmings regularly furnished unless floor is specified. Shipping weight about 100 pounds.

Complete.....**\$15.40**  
Lavatory only without trimmings \$9.80

Colored Lavatories  
One Third More



R-111. *Lavatory.* Cast iron, porcelain enameled, length on sides 16½ inches with 6 inch high back. Equipped with nickel plated china indexed compression basin cocks, nickel plated trap and supply pipes either to the floor or wall. Wall trimmings will be furnished unless otherwise specified. Shipping weight about 80 pounds.

Complete.....**\$12.25**  
Lavatory only without trimmings.....\$8.35



R-112. *Lavatory.* Porcelain enameled, cast iron, size 18x21 inches with 8 inch high back. This is the same as our R-113 lavatory, with the exception that it is equipped with a pop-up waste, which eliminates the necessity of a rubber stopper. Furnished with heavy nickel plated compression basin cocks, nickel plated trap and supply pipes either to the floor or wall, but trimmings to the wall are shipped unless otherwise specified. This number answers the call of a small lavatory with a little nicer equipment. Shipping weight about 85 pounds.

Complete.....**\$13.20**  
Lavatory only without trimmings.....\$7.60



R-113. *Lavatory.* Cast iron, porcelain enameled, size 18x21 in. 8 in. high back. This pattern is the most popular on the market and meets all requirements. Equipped with nickel plated china indexed basin cocks, nickel plated trap and supply pipes either for floor or wall connection. Wall connections will be furnished unless otherwise specified. Shipping weight about 80 pounds.

Complete.....**\$11.50**  
Lavatory only without trimmings.....\$7.60

This lavatory can also be furnished in 17x19 inch size with 6 inch high back complete for .....\$10.50  
Lavatory only ..... 6.60



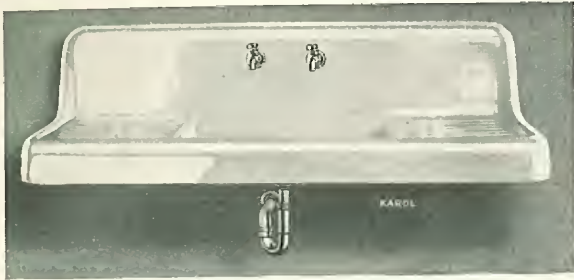
R-115. *Lavatory.* Porcelain enameled, cast iron, size 17x19 with 6 inch high back. Equipped with nickel plated china indexed basin cocks, nickel plated trap and supply pipes either for floor or wall connection. Wall trimmings will be furnished unless otherwise specified. Shipping weight 60 pounds. Complete.....**\$9.80**  
Lavatory only without trimmings.....\$5.90



R-116. *Lavatory.* Cast iron, porcelain enameled roll rim type. Length of sides 16½ inches. Equipped with nickel plated china indexed compression basin cocks, nickel plated trap and supply pipes for either floor or wall connection. Wall trimmings will be furnished unless otherwise requested. Shipping weight about 60 pounds. Complete.....**\$11.90**  
Lavatory only without trimmings.....\$8.00

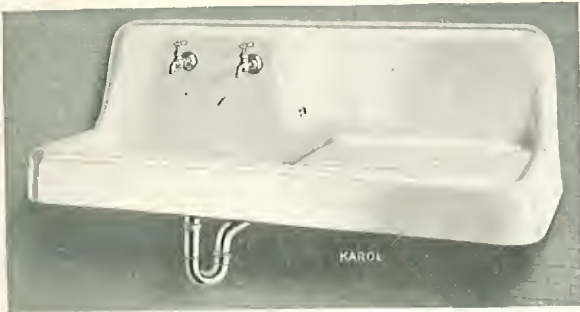
**B. KAROL & SONS CO.**

# Sanitary Kitchen Sinks



**R-117. Double Drainboard Apron Sink.** Porcelain Enameled Cast Iron Apron Sink, back and drainboards all in one piece supported on wall hangers. Equipped with nickel plated faucets and trap either to the floor or wall. Wall trap will be furnished unless otherwise specified.

62" Sink, complete .....	\$42.15
74" Sink, complete .....	63.45
62" Sink only, Wt. 300 lbs. ....	38.65
74" Sink only, Wt. 400 lbs. ....	60.00



**R-118. Apron Sink.** Porcelain enameled Cast Iron Apron Sink, back and drainboard all in one piece. Supported on concealed wall hangers. RIGHT hand drainboard as shown will be furnished unless LEFT hand is specified. Equipped with nickel plated faucets and trap either to the floor or wall. Wall trap will be furnished unless otherwise specified.

42" Sink, complete .....	\$26.15
48" Sink, complete .....	32.80
52" Sink, complete .....	35.40
42" Sink only, Wt. 250 lbs. ....	22.65
48" Sink only, Wt. 260 lbs. ....	29.35
52" Sink only, Wt. 275 lbs. ....	31.95



**R-120. Roll Rim Sink.** Porcelain Enameled Cast Iron Roll Rim Sink, back and drainboard all in one piece. Supported on concealed wall hangers. Equipped with nickel plated faucets and trap either to the floor or wall. Wall trap will be furnished unless otherwise specified. RIGHT hand drainboard as shown will be furnished unless LEFT hand is specified.

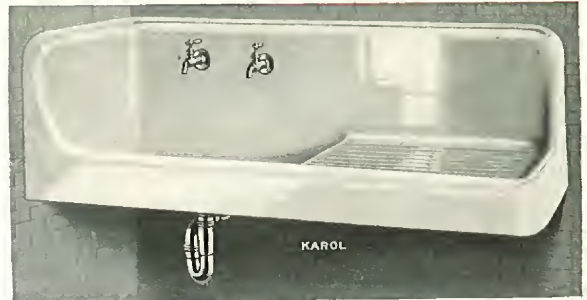
42" Sink, complete .....	\$22.30
48" Sink, complete .....	23.55
52" Sink, complete .....	24.90
42" Sink only, Wt. 210 lbs. ....	18.80
48" Sink only, Wt. 240 lbs. ....	20.16
52" Sink only, Wt. 260 lbs. ....	21.40



**R-122. Double Drainboard Roll Rim Sink.** Porcelain enameled cast iron roll rim sink, 62 inches long, back and drain boards all in one piece supported on concealed wall hangers. Nickel plated faucets and trap either for floor or wall connection. Wall trap will be furnished unless floor trap is specified. Shipping weight about 265 pounds, Complete.....\$31.50

Sink only without trimmings ..... 28.00

Colored Sinks One Third More.



**R-119. Corner Apron Sink.** Porcelain Enameled Cast Iron Apron Sink, back, drainboard and end piece all in one piece, supported on concealed wall hangers. Equipped with nickel plated faucets and trap either to the floor or wall. Wall trap will be furnished unless otherwise specified. LEFT hand corner as shown will be furnished unless RIGHT hand is specified.

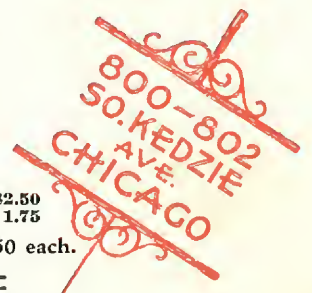
42" Sink, complete .....	\$26.80
48" Sink, complete .....	34.15
52" Sink, complete .....	38.10
42" Sink only, Wt. 285 lbs. ....	23.30
48" Sink only, Wt. 300 lbs. ....	30.65
52" Sink only, Wt. 310 lbs. ....	34.00



**R-121. Corner Roll Rim Sink.** Porcelain Enameled Cast Iron Roll Rim Sink, back, drainboard and end piece all in one piece. Supported on concealed wall hangers. Equipped with nickel plated faucets and trap either to the floor or wall. Wall trap will be furnished unless otherwise specified. LEFT hand corner as illustrated will be furnished unless RIGHT hand is specified.

42" Sink, complete .....	\$26.15
48" Sink, complete .....	27.85
52" Sink, complete .....	29.85
42" Sink only, Wt. 225 lbs. ....	22.65
48" Sink only, Wt. 250 lbs. ....	24.35
52" Sink only, Wt. 275 lbs. ....	26.35

Any style sink can be equipped with a Mixing Faucet For R-214 Combination Mixing Faucet with soap dish, instead of regular faucets add.....\$2.50  
 For R-213 Combination Mixing Faucet without soap dish, instead of regular faucets add. 1.75  
 Legs for the above sinks can be furnished in the painted style at \$1.25 each and for the enameled style at \$2.50 each.





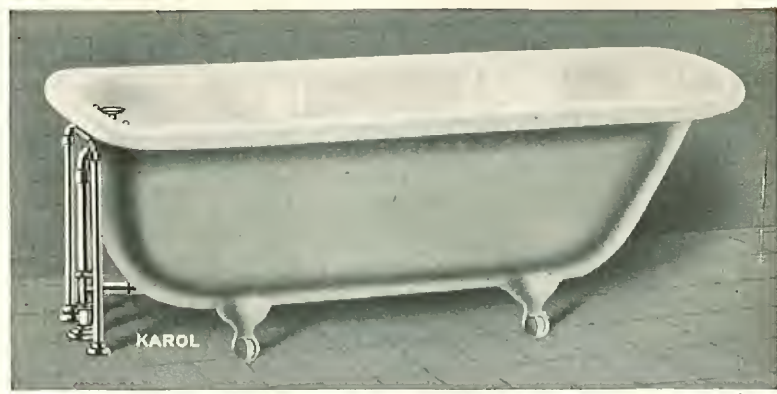
# Bathroom Fixtures

## Roll Rim Tub Complete

### \$2620

R-123. *Bathtub*, cast iron, porcelain enameled inside and painted outside. Equipped with nickel plated combination bath cock for hot and cold water, nickel plated combination waste and overflow and supply pipes. Width 30 inches, with

3-inch roll rim. This tub can also be furnished 26 inches wide no extra charge.  
 Length ..... 4 ft. 4 1/2 ft. 5 ft.  
 Shipping Weight ..... 225 lbs. 250 lbs. 290 lbs.  
 Price complete ..... \$26.00 \$26.10 \$26.20  
 Price tub only ..... 21.50 21.00 22.00



R-124. *Lavatory*, porcelain enameled all over cast iron, pedestal design, size 20x24 inches, 32 inches high. Equipped with latest style mixing valves, with which hot and cold water can be mixed to the desired temperature. The fittings are all heavy cast brass nickel plated and can be furnished for either floor or wall connection. Wall trimmings will be furnished unless floor is specified. With the exception of the mixing valves, this lavatory is the same as R-125. Shipping weight about 125 pounds. Complete .... **\$27.25**  
 This lavatory can be furnished in 22x27 inch size. Price complete .. **\$29.95**

R-125. *Lavatory*, porcelain enameled all over cast iron, pedestal design, size 20 x 24 inches, 32 inches high. Equipped with nickel plated pop-up waste with china knob, nickel plated compression basin cocks having solid china cross handles, nickel plated trap and supply pipes either to floor or wall. Trap and supply pipes to the wall will be furnished unless floor is specified. Shipping weight about 125 pounds. Complete..... **\$23.70**  
 Lavatory only without trimmings ..... **\$18.00**  
 This lavatory can also be furnished in 22x27 inch size. Price complete .. **\$26.40**



R-126. *Porcelain Closet Tank* of vitreous china, low-down type, complete with heavy cast brass trimmings and all china trip lever. Shipping weight about 70 pounds ..... **\$11.95**  
 R126A. Cast Iron Enameled Tank, **\$13.00**



R-127. *Closet Combination* consisting of a solid vitreous china lowdown tank, bowl with jet and mahogany or golden oak finished seat. The tank is completely fitted with heavy cast brass parts and all china trip lever of latest design and closet bowl of syphon action washdown type, which is extensively used in all kinds of work. Do not confuse this outfit with the white composition closets that are offered for just a trifle less money. This outfit is complete ready to install. Shipping weight, 125 pounds. Complete..... **\$19.50**  
 White celluloid finished seat extra, net.... **2.00**



R-128. *Closet Combination* consisting of a solid vitreous china lowdown tank and bowl with mahogany or golden oak finished seat. The tank is completely fitted with heavy cast brass parts of latest design, all china trip lever, syphon jet closet bowl of the noiseless type and the closet seat is of wonderful construction, which does not split with ordinary use, equipped with heavy cast brass bar hinges. The combination is complete ready to install. Shipping weight 150 pounds. Complete ..... **\$25.50**  
 White celluloid finished seat extra, net.... **2.00**

**B. KAROL & SONS CO.**

Colored  
Closets  
Double in  
Price

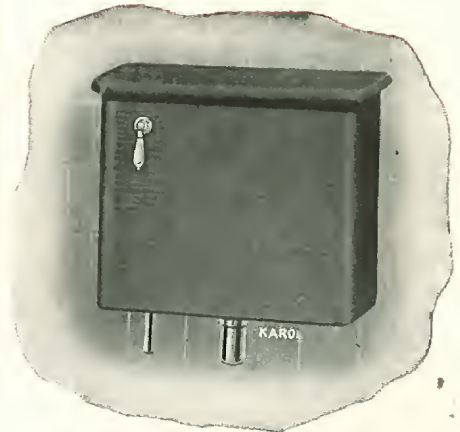
# Easily Installed



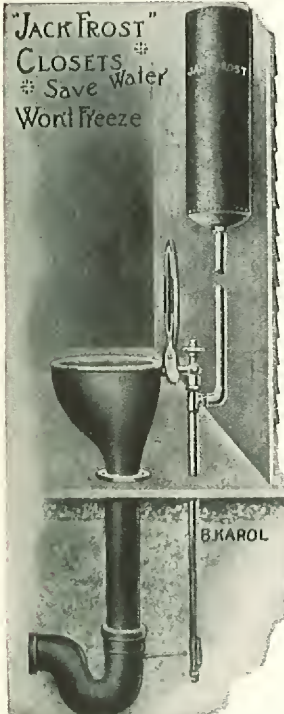
R-129. *Closet Combination* consisting of a cast iron porcelain enameled inside and outside tank, bowl of vitreous china of the syphon action washdown type with jet and the seat golden oak or mahogany finished. This outfit is extensively used in factories and public places where it is liable to receive rough usage. This combination is complete ready to install. Shipping weight, 125 lbs. Complete.....**\$22.00**  
White celluloid finished seat extra.....**\$2.00**



R-130. *Closet Combination* consisting of a copper-lined golden oak tank fitted with heavy cast brass parts, syphon action jet washdown bowl of vitreous china and high-grade golden oak seat. The combination is very substantial and is used where installation must be made on cheaper work. The outfit is complete ready to install. Shipping Weight, 95 lbs. Complete .....**\$18.25**



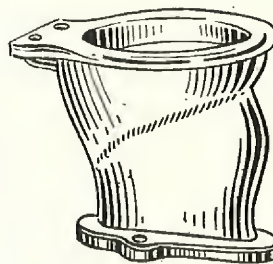
R-131. *Oak Tank*. Closet Tank of golden oak, with heavy copper lining, lowdown type, complete with heavy cast brass trimmings. Weight about 35 pounds.....**\$10.35**



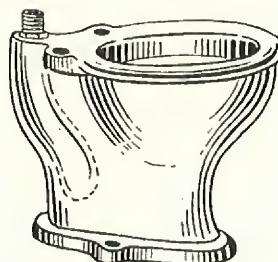
R-132. "Jack Frost" Non-Freezing Closet Combination. Roughs-in anywhere from 12 to 16 inches. No pit required and no freezing. Valves can be repaired without disturbing tank, hopper or ground pipes. White enameled inside. Shipping weight about 100 pounds. Complete.....**\$25.00**



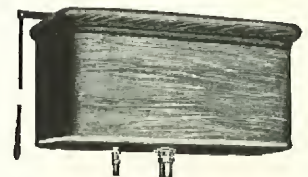
R-133. "Jack Frost" Non-Freezing Closet Combination. Roughs-in at 12 inches and flushes automatically when in use. Drains free of water when not in use. Can be repaired without disturbing hopper or ground pipes. White enameled inside. Weight about 90 pounds. Complete.....**\$15.00**



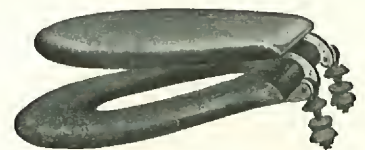
R-134. *Washdown Closet Bowl*. Syphon Washdown Vitreous China Jet Closet Bowl with 2-inch spud for low tank or 1 1/4-inch spud for high tank. Shipping weight 40 pounds. Price .....**\$6.75**



R-136. *Syphon Jet Closet Bowl* of Vitreous China with 2-inch spud for low tank. Shipping Weight, 70 lbs. Price.....**\$12.00**



R-135. *High Closet Tank* of golden oak, with heavy copper lining and heavy cast brass trimmings. Weight about 30 pounds. Price.....**\$7.50**



R-137. *Closet Seat* of golden oak or mahogany finish, with nickel-plated bar hinge for use on any closet bowl. Weight about 10 lbs. Price .....**\$2.50**  
White celluloid finished seat.....**\$4.50**

We can also furnish celluloid finished seats in Green and Orchid. Price \$5.25

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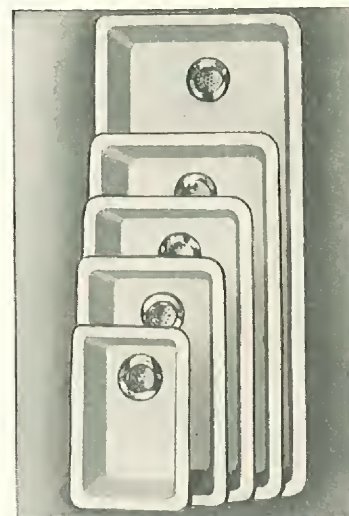


# Kitchen Sinks - Brackets



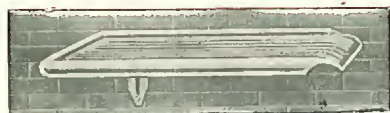
R-139. Sink. Porcelain Enameled Cast Iron Sink with Back in one piece. Supported on concealed wall hangers and equipped with nickel plated faucets and trap either to the floor or wall. Wall trap will be shipped unless otherwise specified.

18x24 inch Sink complete as shown.....\$11.85  
18x30 inch Sink complete as shown..... 14.15  
20x30 inch Sink complete as shown..... 14.55  
18x24 inch Sink only. Weight 96 pounds... 8.35  
18x30 inch Sink only. Weight 125 pounds.. 10.65  
20x30 inch Sink only. Weight 150 pounds.. 11.05



R-140. Enameled Sink. Porcelain Enameled Cast Iron Flat Rim Sink with strainer, collar and bolts.

16x24 inch Sink. Wt. 40 lbs.. \$4.00  
18x30 inch Sink. Wt. 50 lbs.. 5.10  
20x30 inch Sink. Wt. 55 lbs.. 5.65  
20x36 inch Sink. Wt. 65 lbs.. 8.00



R-138. Drain Board. Porcelain Enameled Cast Iron Interchangeable Drainboard with iron bracket. Fits any sink with roll or flat rim. Furnished complete with bracket.

18x18 inches. Weight 40 pounds.....\$4.35  
18x24 inches. Weight 50 pounds..... 5.20  
20x24 inches. Weight 55 pounds..... 5.85



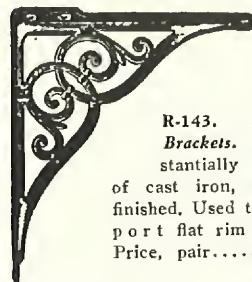
R-141. Sink Back. Porcelain Enameled Cast Iron Sink Back for flat rim sinks. Height 12 inches. Depth 2 inches.

24 inch Sink Back. Weight 24 pounds \$3.25  
30 inch Sink Back. Weight 30 pounds 3.55



R-142. Pump Bracket. Will fit any cistern or pitcher spout pump. Ready to attach to roll rim style sink.

Price .....\$1.20



R-143. Sink Brackets. Substantially made of cast iron, neatly finished. Used to support flat rim sinks.

Price, pair.....\$0.50

## Modern White Steel Bathroom Cabinets



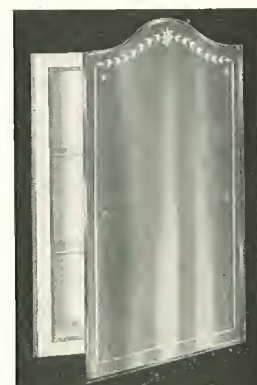
R-144. Recess Cabinet. This cabinet is of the same quality and grade as our R-145 except that it is made to recess in the wall. When building a new bathroom this is the cabinet to install for when set is almost flush with the wall and cannot be moved. Equipped with 12x18 inch mirror, 2 adjustable plate glass shelves, knob and will fit wall opening 19 1/2 x 13 1/2 x 3 3/4 inches. Outside dimensions 21 3/4 x 15 3/4 inches. Wt. 30 lbs. Price \$10.00



R-145. Wall Cabinet. The modern steel bathroom cabinet has so many advantages over the old wooden type that it can be safely said they are now obsolete. Steel cabinets are indestructible, thoroughly sanitary and in every way harmonize with the bathroom. They will not discolor, for being made of metal will not warp or crack. This cabinet is used to hang on already finished walls. Equipped with 12x12 plate glass mirror, knob, and 2 white enameled shelves. Size of cabinet, 19 1/2 inches high, 15 3/4 inches wide and 4 7/8 inches deep. Wt. 25 lbs. Price \$9.30



R-146. Recess Wall Cabinet of the built-in type like our other recess models fitting in an opening 23 1/2 x 13 1/2 x 3 3/4 inches, has two plate glass shelves but equipped with a 16x28 inch engraved French plate glass mirror of the finest quality anchored to the door with heavily plated bronze fasteners. Weight 62 lbs. crated. Price \$24.00



R-147. Recess Wall Cabinet identical to our R-146 except that the top of the mirror is of serpentine pattern whereas the other is straight. Many people desire this type of a mirror and it can be furnished from stock without any difference in cost. Weight crated 62 lbs.

Price .....\$24.00



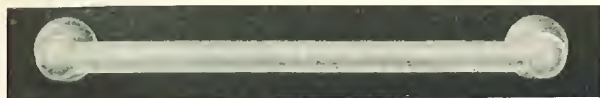
R-148. Recess Cabinet of the built-in type like R-144 except that it has an opening at the bottom as a lavatory receptacle. The outside dimensions are 25 3/4 x 15 3/4 and fits an opening 23 1/2 x 13 1/2 x 3 3/4". Equipped with a 12x16 high-grade mirror. Has two glass shelves and weighs 25 lbs. Price \$9.00

B. KAROL & SONS CO.

# Bathroom Trimmings

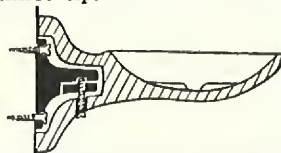
## Solid China One-Piece Bathroom Trimmings with Concealed Wall Fasteners

This is the most distinctive of the one-piece idea carried out in bathroom trimmings. The outstanding feature of the line is in the concealed wall attachment, which eliminates unsightly screw hole openings and makes the installation very simple. These fixtures are held securely in position by a concealed screw and cannot tip.



R-149. Round Towel Bar

Length in. ....	18	24	30	36
Price .....	\$2.50	\$2.85	\$3.10	\$3.55

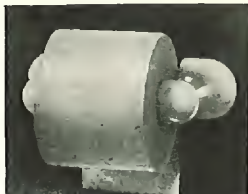


This illustration shows the method of attaching these fixtures. A concealed fastener is screwed to the wall over which the fixture fits and is held securely in position by the vertical set-screw, shown in the illustration.



R-152. Opal Glass Shelf 5-in. Wide

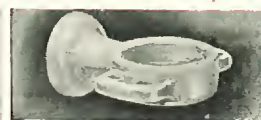
Length in. ....	18	24	30	36
Price .....	\$3.25	\$3.70	\$4.15	\$4.60



R-153. Paper Holder  
\$2.05



R-150. Tumbler Holder  
\$0.85



R-151. Tumbler and Tooth  
Brush Holder  
\$1.10



R-154. Soap Dish  
\$1.00



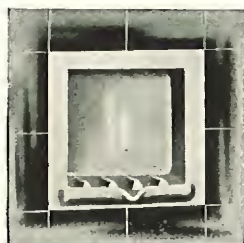
R-155. Robe Hook  
\$0.40

## Solid China Recessed and Built-in Bathroom Trimmings

The latest and most modern bathroom trimmings on the market.



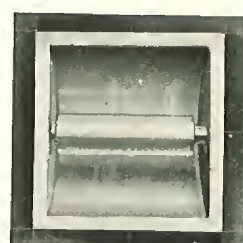
R-156. Combination Lipped  
Soap Dish with Grab Rail  
\$3.55  
Size 6x6 inches.



R-157. Soap Dish with Drain  
Lip  
\$2.28  
Size 6x6 inches.



R-158. Tooth Brush Holder  
\$1.30  
Size 3x6 inches.



R-159. Paper Holder  
\$1.95  
Size 6x6 inches.

## Enameled on Iron Pure White Bathroom Trimmings

Used generally in remodeling work, effecting a blend that looks much like the above designs. Much cheaper in price and highly desirable.



R-161. Towel Bar  
Size  
18 inch.....  
24 inch.....  
Price  
\$0.75  
95



R-160. Towel Bar  
Has 3x3 inch posts with 1 inch white bar.  
Size  
18 in.....  
24 in.....  
36 in.....  
30 in.....  
Price  
\$2.55  
2.75  
3.25  
2.95



R-162. Soap Dish  
\$0.05



R-163. Tumbler Holder.  
\$0.50



R-164.  
Robe Hook  
\$0.20



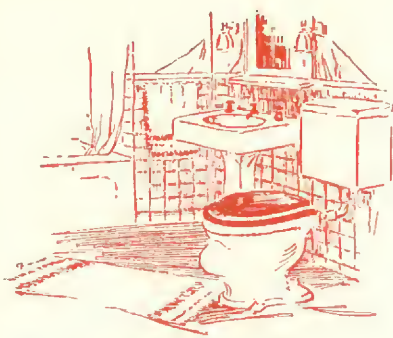
R-165.  
Paper Holder  
\$0.85



R-166. Combination  
Tumbler and Tooth  
Brush Holder \$0.75

800-802  
SO. KEDZIE  
AVE.  
CHICAGO

# Bathroom Fittings



**R-167. Nickel-Plated Slip Joint Nut.** For connecting brass tubing to iron pipe.  
 1 1/4 x 1 1/4 in. ....\$0.20  
 1 1/2 x 1 1/4 in. .... .20  
 1 1/2 x 1 3/8 in. .... .20  
 1 1/2 x 1 1/2 in. .... .20



**R-171. Tubular Shower Head.** Nickel plated. Diameter 9 1/2 inches, inlet 3/4 inch....\$6.00



**R-173. Rain Shower Head.**  
 4" Shower for 3/4" pipe \$1.05  
 5" Shower for 1 1/2" pipe 1.10  
 6 1/2" Shower for 1 1/2" pipe 1.35



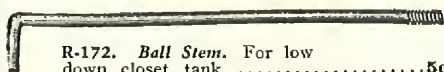
**R-178. Rubber Tank Ball.** Used in low tanks. Equipped with standard brass thread for attaching to wire stem.  
 2 1/2-inch ....\$0.20  
 2 3/4-inch .... .25



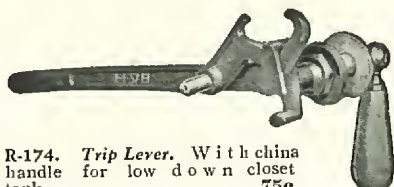
**R-181. Bottom Supply Ball Cock.** Used in high tanks when water supply comes through bottom of tank....\$1.10



**R-168. Automatic Closet.** Bowl is self-flushing when seat is used. Adapted for installation in basements, factories and places where there is no danger of freezing. The bowl is cast iron, white porcelain enameled inside and painted outside. Equipped with automatic valve for iron pipe connection. Solid oak seat and cast iron weight. Shipping weight 50 lbs....\$3.95



**R-172. Ball Stem.** For low down closet tank .....5c



**R-174. Trip Lever.** With china handle for low down closet tank .....75c



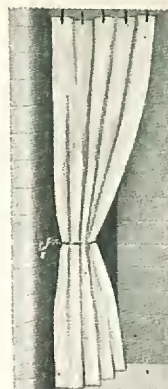
**R-179. Seat Hinges.** For closet seats including nuts and washers, made of brass nickel-plated ....75c



**R-183. Closet Cleaner.** A flexible coil wire closet cleaner for removing obstructions from closets. By inserting auger point into the bowl and turning handle, the coil follows through the trap of the bowl and removes all obstructions. Eliminates disconnecting the bowl and saves plumber's bill.  
 3-ft. steel spring....\$1.50  
 6-ft. steel spring.... 2.45  
 9-ft. steel spring.... 3.85



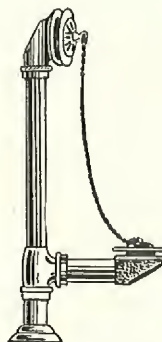
**R-182. Top Supply Ball Cock.** For high tank when water supply comes over top of tank .....\$1.10



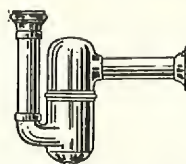
**R-169. Shower Curtains.** 8 oz. Duck .....\$1.75  
 Beautiful colored rubberized Rayon curtains supplied in Pink, Blue, Green and Orchid.....\$7.49



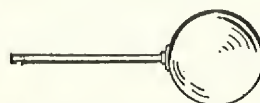
**R-170. Portable Shower Bath.** Specially adapted to apartments as it can be installed in about five minutes and can be easily removed. Complete with duck curtain, five feet of hose, 24-inch nickel plated brass curtain ring and screws to fasten to the wall. Weight about 16 pounds .....\$6.00



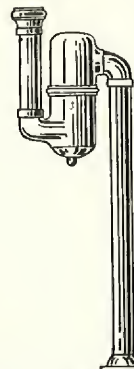
**R-175. Nickel-plated Connected Waste and Overflow.** For bath tub.  
 1 1/2-inch .....\$2.00



**R-180. Anti-Syphon P Trap.** For wall connection. Used in work where drain suction is too great for seal on regular trap.  
 1 1/4-inch .....\$3.40  
 1 1/2-inch ..... 3.65



**R-184. Copper Float and Rod.** For use with closet tank ball cocks .....\$0.25



**R-176. Anti-Syphon S Trap.** For floor connection. Used in work where drain suction is too great for seal on regular trap.  
 1 1/4-inch .....\$4.00  
 1 1/2-inch ..... 4.25



**R-177. Nickel-Plated S Trap.** For floor connection.  
 1 1/4-inch .....\$1.75  
 1 1/2-inch ..... 1.95



**R-186. Flush Valve.** For low tank, \$1.50



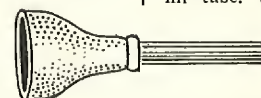
**R-187. Ball Cock.** Used in lowdown tanks of all kinds. Equipped with refill tube. ..\$1.25



**R-185. Nickel-Plated P Trap.** For wall connection.  
 1 1/4-inch .....\$1.50  
 1 1/2-inch ..... 1.75



**R-188. Screws.** For closet bowls, with nickel-plated removable heads and washers.  
 Dozen .....\$0.50



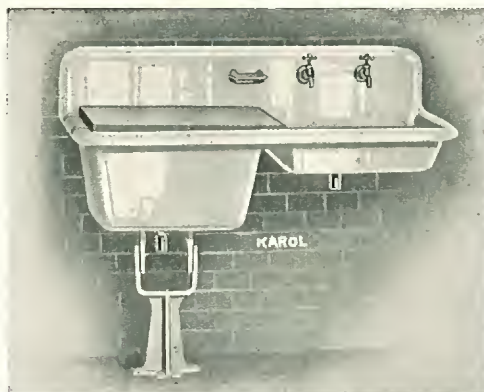
**R-189. Plumber's Force Cup.** For forcing out stoppages and cleaning waste pipes, closets, etc. Made of fine quality red rubber .....35c

**B. KAROL & SONS CO.**

# Laundry Tubs and Supplies

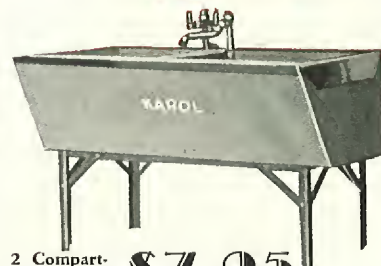


R-190. Apron Combination **\$55.50**  
Complete as Illustrated,



R-191. Roll Rim Combination **\$49.75**  
Complete as Illustrated,

The latest design in a combination laundry tub and sink. Beautifully white enameled on cast iron. Used especially in kitchens of small apartments or houses where there is no basement or cellar for a laundry. This combination is equipped with an interchangeable ash wood drain board, beautifully finished, which fits over the tub when not in use, completely covering it, nickel plated soap dish, faucets, and combination drain with trap. Can be furnished with either right or left hand tub but left hand tub as illustrated will be furnished unless otherwise specified. Shipping weight 300 pounds. Length over all 50 inches. Size of tub 24 by 25 inches. Size of sink 24 by 25 inches.



2 Compartment Laundry Tub, Only. **\$7.95**

R-192. *Granite Laundry Tubs.* Washing ceases to be drudgery when you have these modern sanitary tubs installed in your home. They do away with all laborious lifting and carrying of water as you can have an abundant supply of running hot and cold water by simply opening a faucet. The tubs are made of a granitine composition and have metallic rim, brass plug strainer, waste connection and wringer attachment. They are guaranteed by the manufacturer for five years. Tubs of all lengths are 24 inches wide and 16 inches deep and are equipped with the new style laundry tub frames, new style swinging spout faucet and trap to the wall. Trap and faucet are also illustrated and priced separately.

4-foot Tub complete as described.....	<b>\$12.55</b>
4½-foot Tub complete as described .....	<b>13.75</b>
5-foot Tub complete as described .....	<b>15.40</b>
4-foot Tub only, Weight 350 pounds .....	<b>7.95</b>
4½-foot Tub only, Weight 400 lbs. ....	<b>9.00</b>
5-foot Tub only, Weight 450 lbs. ....	<b>10.20</b>

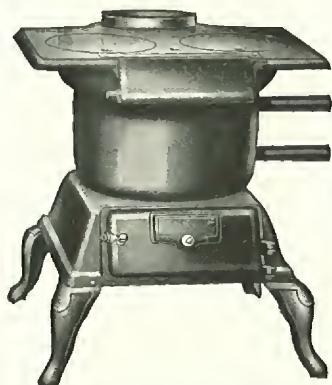


R-193. *Combination Gas Boiler and Water Heater.*

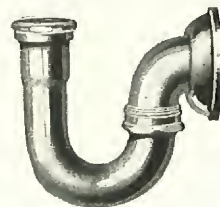
Has gas water heater built into range boiler which is connected by a circulating tube to top and bottom of the boiler. Water circulates continuously from bottom to top of boiler through heater.

The heat travels up through a central flue entirely surrounded by water eliminating waste heat. Saves labor connecting a separate heater. Can be connected with a coil in the furnace or range. It is economical in gas consumption and will keep hot water constantly. Size 12 by 60 inches. Capacity 21 gallons.

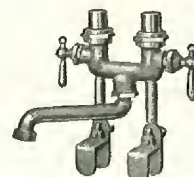
Complete with Stand ..... **\$17.25**



R-194. *Combination Laundry Stove and Water Heater.* The firepot is hollow, forming a water jacket through which the water passes and is heated, besides heating the room. It will heat from 30 to 80 gallons per hour. Shipping weight, 130 pounds..... **\$10.80**



Laundry Trap \$1.10  
With Connection

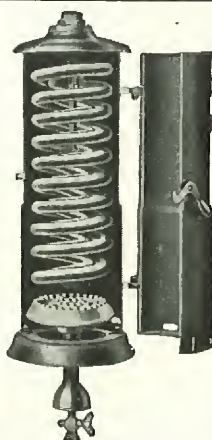


Laundry Faucet \$2.50  
Tub Stand \$1.25

**\$6.50**

R-195. *Galvanized Range Boiler.* Made of heavy steel galvanized inside and outside and electrically welded. For the average home, we suggest the 30-gallon size. Boiler complete includes circulating tube, stand and union couplings for ¾-inch iron pipe. The tappings are regular. Standard boilers are for a working pressure up to 85 pounds; extra heavy are for a working pressure up to 150 pounds.

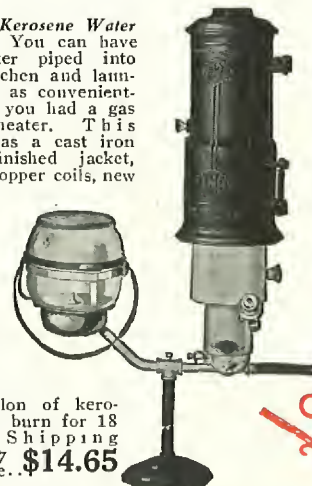
Capacity .....	30 gal. 40 gal.
Size in. ....	12x60 14x60
Stand, comp...	<b>\$8.10 \$10.75</b>
Extra Hy. comp	<b>9.55 12.20</b>
Stand, only ..	<b>6.50 9.15</b>
Extra Hy. only.	<b>7.95 10.60</b>



R-196. *Gas Water Heater.* For use with galvanized range boiler. One of the most efficient and durable gas water heaters made. It has two coils of ¾-inch copper tubing enclosed in a cast iron jacket with door. ¾-inch water connection and ½-inch gas connection for iron pipe. It heats water for bath in 20 minutes. Where an average amount of water is used we recommend No. 40 heater. Where an extra amount of water is used we suggest the extra large size, our No. 50. Heater burns either artificial or natural gas.

No. 40. 18-ft. coil.....	<b>\$5.95</b>
No. 50. 20-ft. coil.....	<b>7.90</b>

R-197. *Kerosene Water Heater.* You can have hot water piped into bath, kitchen and laundry just as conveniently as if you had a gas water heater. This heater has a cast iron japan finished jacket, double copper coils, new design wick burner, one-gallon kerosene tank, and will heat a 30 or 40-gallon range boiler. One gallon of kerosene will burn for 18 hours. Shipping weight 47 lbs. Price... **\$14.65**



**800-802  
50. KEDZIE  
AVE.  
CHICAGO**



# Water Systems, Pumps

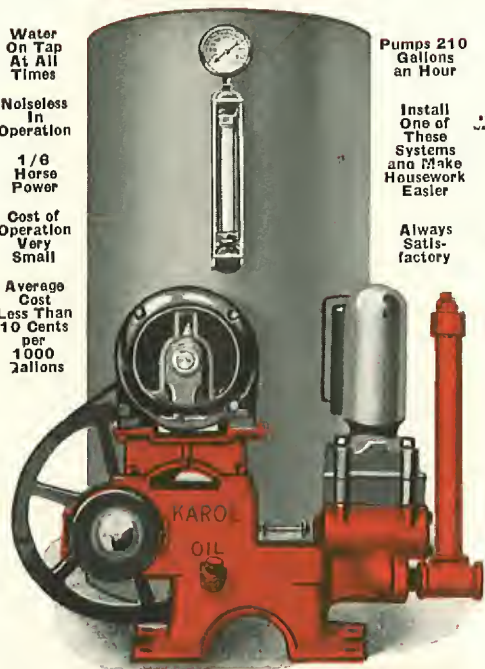
Water  
On Tap  
At All  
Times

Noiseless  
In  
Operation

1/8  
Horse  
Power

Cost of  
Operation  
Very  
Small

Average  
Cost  
Less Than  
10 Cents  
per  
1000  
Gallons



**R-198. GALVANIZED TANK**

**Electric Automatic Water Supply System.**

Put Running Water in Your Home with This Automatic, Handy, Convenient Electric Water Supply System. Runs Itself, Requires No Attention and Is Just the Thing for City or Country Homes Having Electric Power.

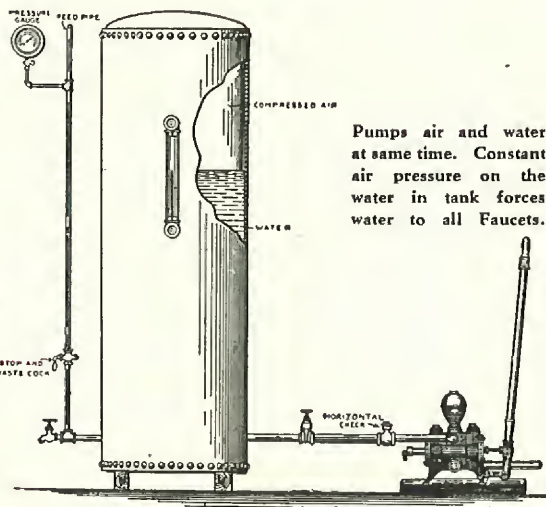
Modern, Improved, Automatic Electrically Driven Water Supply System for shallow wells, not over 25 feet deep, designed and made expressly to draw water from cisterns, lakes, rivers, springs and wells. These outfits are all the finest on the market and complete with the necessary parts, including the pressure gauge, water gauge, drive belt, automatic switch, pump flywheel, tank and, in fact, a complete system as you see it. No extras necessary. Why be inconvenienced with the old style pump in the yard when you can install one of our systems with no trouble and have the city comforts of running water within your reach. There is no worry attached to the outfit whatever, the pump stops and starts itself by the reliable automatic switch that is attached to the motor and comes complete with the outfit. When the pressure is reduced to 20 pounds it automatically starts itself and stops when the pump has created 40 pounds pressure. This system can be furnished for any type of electric current and it need only be attached to a regular electric light socket with no further worry. It works by itself. This system will pump 210 gallons per hour. Complete.....

Outfit complete with 42 gallon tank, wt. 260 lbs... \$85.85  
Outfit complete with 80 gallon tank, wt. 325 lbs... 92.95  
Complete pump less tank and trimmings, 130 lbs... 66.00

Pumps 210  
Gallons  
an Hour

Install  
One of  
These  
Systems  
and Make  
Housework  
Easier

Always  
Satis-  
factory



**R-199. Hand Power Pneumatic Water Supply System.**

A dependable water supply system for the average-sized home where the depth of well does not exceed 25 feet. Pump is our improved combination, double-acting air and water force pump. Has 1 1/2-inch intake and 1 1/4-inch discharge. Brass lined cylinder 3 inches; stroke, 4 inches. Pumps sufficient amount of air with each stroke to maintain the proper pressure in the tank. Capacity about four gallons per minute. Outfit complete consists of tank, pump, water gauge, pressure gauge, compression drain cock, 1-inch brass gate valve, 1-inch brass check valve, and all necessary elbows, nipples and unions to make connection between pump and tank as shown above. A 3/4-inch lever handle brass stopcock for main water connection supply is also included.

Outfit Complete	Capacity Tank	Weight Pounds	Price
No. 1	120 gal.	450	\$49.75
No. 2	145 gal.	500	56.75
No. 3	180 gal.	550	70.50
No. 4	220 gal.	600	74.15

**R-203. Non-Freezing Set Length Pump.**

A strictly high grade set length pump, strong and substantially built and of heavy construction. It should not be confused with the lighter types of pumps offered by other houses at almost the same price, is all complete with the cylinder pipe and pump rod. Can be used in connection with wells 60 feet deep and is specially adapted to farm use. Shipping weight 60 pounds.

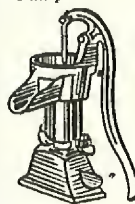
**\$5.85**



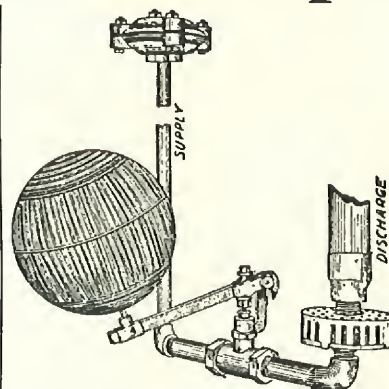
**R-205. Pitcher Spout Pump**

For shallow wells not over 20 feet deep. Threaded for iron pipe connection. By using our R-142 pump bracket this pump can be permanently attached to your sink, doing away with the old time wooden shelf otherwise necessary. Shipping weight 25 pounds.

Price with 2 1/2 inch cylinder ..... **\$1.45**  
Price with 3 1/2 inch cylinder ..... **1.85**



Pumps air and water at same time. Constant air pressure on the water in tank forces water to all faucets.



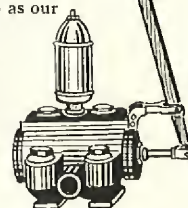
**R-200. Automatic Cellar Drainer.** This Drainer performs its functions by passing water or steam under pressure through the Drainer Point or Jet, thus creating a suction which draws the water from the barrel or box in which the Drainer is placed, into the discharge pipe, and both the jet water and cellar water are discharged together. When the water has been removed from the box or barrel, the valve is instantly closed, and the Drainer becomes inactive until the water again accumulates, when this performance is repeated. Just as often as the water accumulates it is discharged without attention and there is no consumption of city water or steam except at such times as the valve is open and Drainer is removing water from cellar. **\$13.45**

**R-201. Double Acting Force Pump.** To be used where the suction lift does not exceed 25 feet. Shipping weight 65 lbs.

**\$11.40**

**R-202. Air and Water Force Pump.** The same pump as our Double Acting Force Pump except that it is equipped with the air attachment. Water can be driven at the same time. Will lift from a depth of 25 feet. Shipping weight 65 pounds.

**\$13.50**



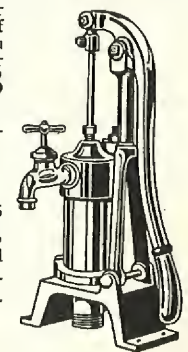
**R-204. Electric Cellar Drainer.** The finest, most reliable and efficient operating, electric cellar drainer made. All parts are heavy bronze and brass, so that it will not rust. In spite of our efficient municipal sewerage systems, there are many places where water accumulates by seepage, overflow, floods, etc., that cannot be drained off. This outfit answers your call. The installation is very simple, as it only need be set into a pit and connected to the drain. This connection is 3/4 inch iron pipe size and will discharge 900 gallons per hour on a 5 foot lift, 700 gallons on a 10 foot lift and a lesser amount the heavier the lift. A high grade motor is included, with an automatic cutoff and starter. Furnished complete with wire and plug to connect in a regular light socket.

Wt. 50 pounds ..... **\$49.75**

**R-206. House Force Pump.**

For wells or cisterns not over 25 feet deep. Has 3 inch brass cylinder, valve seat and stuffing box. Furnished with nicely finished hose threaded faucet and tapped for 1 inch pipe connection. Shipping weight 24 pounds.

**\$5.25**



**B. KAROL & SONS CO.**

# of The Finest Material

## R-207. Karol Special Water Softener

### Soft Water At All Times

Water from which all mineral hardness has been removed. With a KAROL SPECIAL WATER SOFTENER in your home you can have oceans of soft water at your instant command ready to serve you whenever needed in kitchen, laundry and bath.

### Economy of Soft Water

KAROL SPECIAL WATER SOFTENER will enable you to do the laundry work in much less time with one-half the soap you now use. Washable clothes will wear twice as long. Soap used with hard water forms a curd that cannot be rinsed away. The curd ironed into the fabric discolors the clothes causing them to rot. Even dishwashing becomes less tedious when our softener is used. A soft water bath is a positive luxury. Soft water for a shampoo and for shaving is just as desirable. Soft water flowing through the hot water lines will free pipes, water heaters and furnace coils from lime deposit and prevent future formation of scale. It insures long life for your plumbing.

### Only One Pumping Outfit Required

Our water softener does away with the unsanitary cistern and with the necessity for two pumping outfits, one for well water and one for cistern water. Hard water is pumped into the KAROL SPECIAL WATER SOFTENER and it comes out softened. As the soft water is used there is a continual flow of hard water into the softener, thus supplying an abundant quantity of soft water.

### Method of Softening Water

The softening of water is not a mechanical process but is effected by a softening mineral contained in the tank, which is a permanent part of the softener and should last many years. The mineral while softening the water also filters it. About every fifteen days, the mineral bed should be flushed out with a few pounds of coarse salt to keep it in condition to soften water. This operation requires only thirty minutes and is controlled by a simple operation of valves. This softener is guaranteed to soften water up to thirty grains hardness.

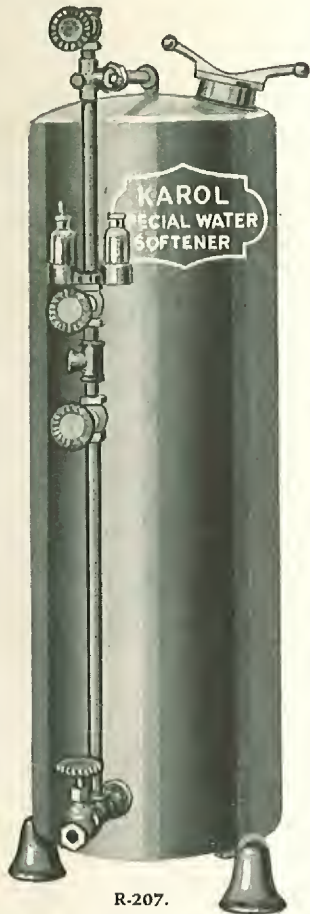
### Easy to Install

There are only three connections, one each for hard and soft water and for the drain. No changes in the plumbing are necessary, and only two simple connections are all that are required to complete the installation which can be made in a few hours by any handy man. Once installed, it gives efficient continuous service without attention.

### Dimensions

Height over all 54 inches. Height of tank 48 inches. Diameter of tank 14 inches. Fittings 3/4-inch. Salt for regeneration 12 pounds. Shipping weight 375 pounds. Complete.....

**\$84.95**



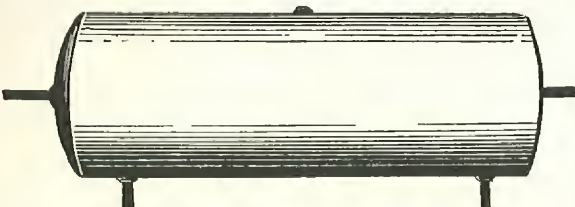
R-207.

## R-208. Tank Heater

To be used with storage tanks up to 200 gallons

A plentiful supply of hot water is no longer considered a luxury but a necessity and can be had in the average home at a very low cost. Our tank heater is especially adapted for homes or apartment buildings where a large volume of hot water is necessary. It is constructed of the highest grade cast iron and is simple in operation. Will burn hard or soft coal. Grate 12 inches, diameter 20 inches, height 30 inches and weight 235 pounds..

**\$24.50**



## R-210. Black Steel Storage Tank

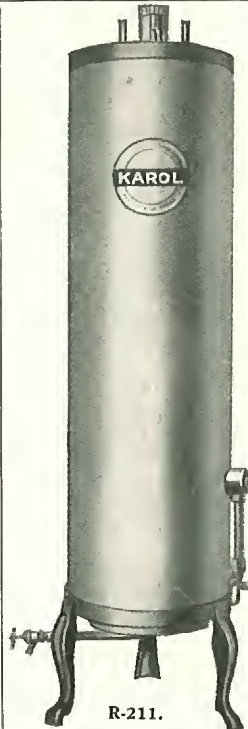
To be used in connection with tank heater

Tanks are made of heavy black steel welded. Tested for 150 pounds hydrostatic pressure and guaranteed for a working pressure up to 65 pounds to the square inch.

Can be used for either vertical or horizontal installation.

Capacity	Size	Weight	Price
85 gallons	20x60 in.	290 lbs.	\$20.80
120 gallons	24x60 in.	350 lbs.	24.00
160 gallons	30x48 in.	400 lbs.	25.00
180 gallons	30x60 in.	465 lbs.	31.00
220 gallons	30x72 in.	520 lbs.	34.00

Write for prices on pneumatic pressure tanks.



R-211.



Dispose of all Sewage in the new way and protect the health of your family.

## R-209. "Wonder" Steel Septic Tank

Before offering the "WONDER" septic tank to our public we have thoroughly tested the one we now offer to you. Being made of the best heavy gauge copper bearing metal, freeing it from corrosion, is coated with a mineral enamel which is applied by a hot process and covers all parts of the tank both inside and outside. Moisture, acids and the action of the earth have no effect on this, besides the wonderful construction of the tank itself gives it unlimited life. The "WONDER" steel septic tank meets the rigid inspection of the various state boards of health. In addition to the wonderful features above, besides the baffle plates over the inlet and outlet, it contains a center baffle plate. The installation is a very simple one. In setting them under ground, they should be at least from 12 to 15 inches below the surface and about 10 feet from the building proper. The waste and supply connections to the tank will accommodate 4 inch cast iron or tile pipe.

### Specifications and Prices

Size of tank	Capacity gallons	Shipping weight	Capacity persons	Price each
31x48 in.	150	175 lbs.	5 to 7	\$15.75
38x48 in.	200	225 lbs.	6 to 9	17.30
48x48 in.	300	300 lbs.	8 to 12	21.30

These are the most popular sizes and can be connected up in batteries of 2 or more to increase the capacity, although we can furnish any size septic tank that may be required.

Prices on larger sizes will be given on application.

## R-211. Automatic Storage Gas Water Heater

Hot water at your service all the time

The newest and latest combined tank and gas heater on the market. The tank is constructed of extra heavy sheet steel insulated with several ply of the finest asbestos made. This insulation keeps the heat in the tank, not allowing it to escape as is natural in an exposed outfit. Retains the heat like a thermos bottle and is covered on the outside with a high grade metal beautifully finished. The cost of operation is very low, operating with the temperature of the water. The gas is automatically turned off when the temperature is at the maximum, and turns on itself when the water is cooled.

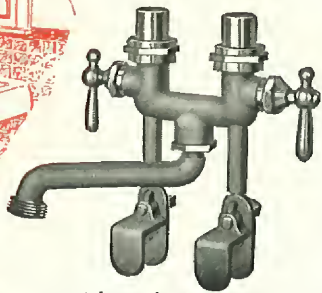
Comes complete ready to connect to your pipe. Capacity of tank 20 gallons. Weight about 195 lbs.....

**\$39.00**

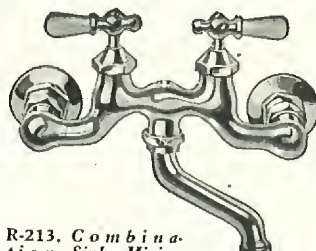




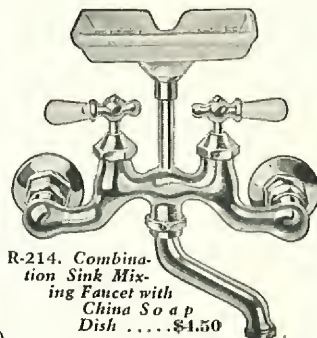
# Faucets and Valves



**R-212. Combination Laundry Tub Mixing Faucet.** This faucet is the same type we furnish with our laundry tubs. It clamps securely over the rim of the tub. The adjustable spout has a hose connection and can be swung into either compartment. Only two connections are necessary, one on the hot and one on the cold water. This faucet eliminates considerable piping required heretofore on single faucet connections. Made in  $\frac{1}{2}$ " iron pipe size. For 2 part tub.....\$2.50  
For 3 part tub.....3.75



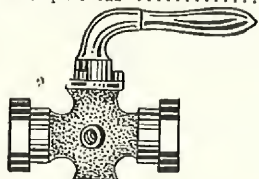
**R-213. Combination Sink Mixing Faucet** .....\$3.75



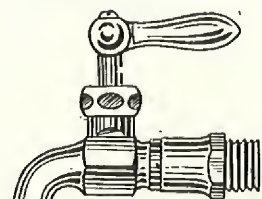
**R-214. Combination Sink Mixing Faucet with China Soap Dish** .....\$4.50



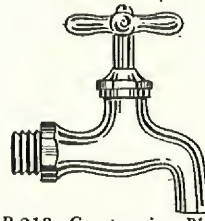
**R-215. New Style Compression Bath Cock.** With China Lever Handles. Marked "Hot" and "Cold." Made of brass nickel-plated. Price.....\$2.25



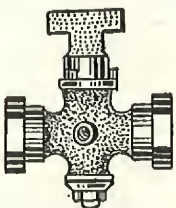
**R-216. Lever Handle Stop and Waste.** Rough brass. Opening allows water to drain when shut off.  
 $\frac{1}{2}$ -inch .....\$0.65  
 $\frac{3}{4}$ -inch ..... .90



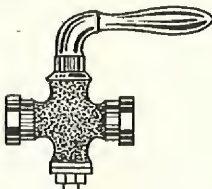
**R-217. Fuller Plain Faucet.** Polished brass. Threaded for iron pipe.  
 $\frac{1}{2}$ -inch .....\$0.85  
 $\frac{3}{4}$ -inch ..... .90



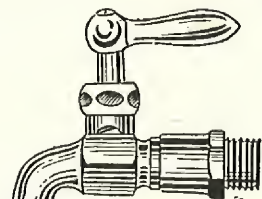
**R-218. Compression Plain Faucet.** Polished brass. Threaded for iron pipe.  
 $\frac{1}{2}$ -inch .....\$0.65  
 $\frac{3}{4}$ -inch ..... .80



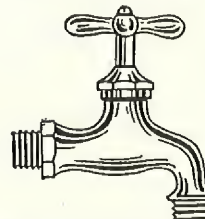
**R-220. Tee Handle Stop and Waste.** Rough brass. Allows water to drain when shut off.  
 $\frac{1}{2}$ -inch .....\$0.65  
 $\frac{3}{4}$ -inch ..... .90



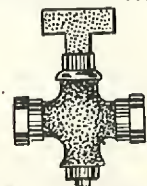
**R-221. Lever Handle Stop.** Rough brass.  
 $\frac{1}{2}$ -inch .....\$0.62  
 $\frac{3}{4}$ -inch ..... .85



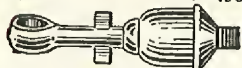
**R-222. Fuller Hose Faucet.** Polished brass. For iron pipe.  
 $\frac{1}{2}$ -inch .....\$0.90  
 $\frac{3}{4}$ -inch ..... 1.00



**R-223. Compression Hose Faucet.** Polished brass. Threaded for iron pipe.  
 $\frac{1}{2}$ -inch .....\$0.80  
 $\frac{3}{4}$ -inch ..... .90

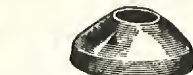


**R-225. Tee Handle Stop.** Rough brass.  
 $\frac{1}{2}$ -inch .....\$0.65  
 $\frac{3}{4}$ -inch ..... .90

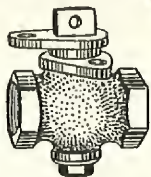


**R-227. Fuller Stem.** Part of Fuller faucet which holds ball and connects with eccentric. ....\$0.15

**R-226. Bibb Washers.** For compression faucets. Sizes  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ". Per Doz.....\$0.10



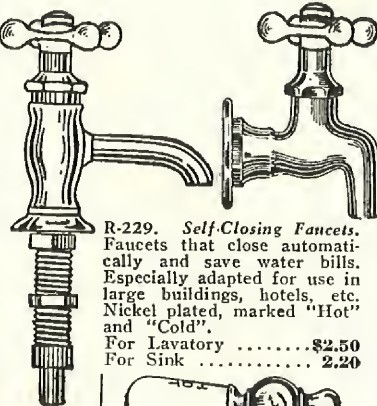
**R-228. Fuller Cap.** Used between Fuller ball and nut. Size  $\frac{1}{2}$  in. and  $\frac{5}{8}$ -inch. Per dozen.....\$0.15



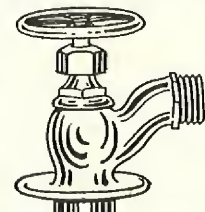
**R-232. Gas Lock Shut-off.** For locking gas line in laundry when used by more than one party.  $\frac{1}{2}$  inch. 55c



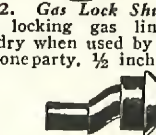
**R-233. Rubber Fuller Balls.** Finest quality. Can be used for hot or cold water. Furnished in  $\frac{1}{2}$ " and  $\frac{5}{8}$ " sizes. Per Doz. ....\$0.20



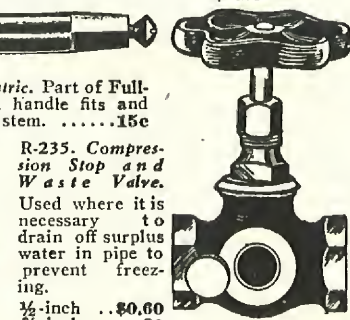
**R-229. Self-Closing Faucets.** Faucets that close automatically and save water bills. Especially adapted for use in large buildings, hotels, etc. Nickel plated, marked "Hot" and "Cold".  
For Lavatory .....\$2.50  
For Sink ..... 2.20



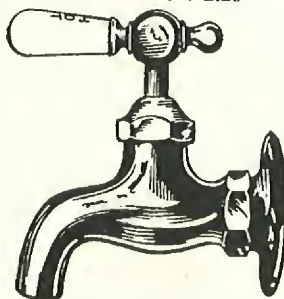
**R-230. Wheel Handle Sill Cock.** Can also be used as loose key type. Rough nickel plated. Furnished in  $\frac{1}{2}$ " and  $\frac{3}{4}$ " I. P. threaded for  $\frac{3}{4}$ " Hose 65c



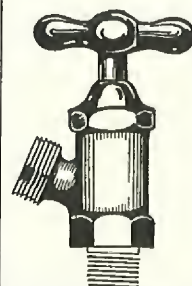
**R-234. Fuller Eccentric.** Part of Fuller faucet on which handle fits and which connects to stem. ....15c



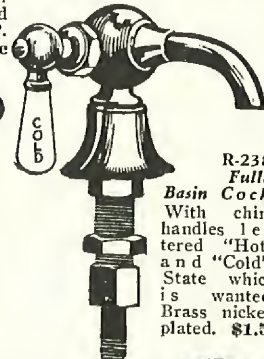
**R-235. Compression Stop and Waste Valve.** Used where it is necessary to drain off surplus water in pipe to prevent freezing.  
 $\frac{1}{2}$ -inch ..\$0.60  
 $\frac{3}{4}$ -inch .. .80



**R-236. Quick-Opening Compression Flanged Faucet.** Highly nickel plated. Has china handles marked "Hot" and "Cold". When ordering state which is wanted. For  $\frac{1}{2}$ -inch iron pipe connection....\$1.10



**R-237. Boiler Drain Cock.** Threaded for  $\frac{1}{2}$ -inch iron pipe and  $\frac{3}{4}$ -inch hose connection. ....\$0.45



**R-238. Fuller Basin Cock.** With china handles lettered "Hot" and "Cold". State which is wanted. Brass nickel-plated. \$1.50



**R-239. Cock Hole Cover.** For covering openings in sinks, lavatories and bath tubs when faucets are not used. ....\$0.15

**B. KAROL & SONS CO.**


# Drainage — Malleable

Made especially for drainage work. Inside diameter is made to conform with inside diameter of pipe, so that when pipe is screwed into the fitting no burr is left, thus preventing stoppages.

Malleable fittings of best grade which can be depended on for their even quality. Galvanized fittings should be used for water supply and drainage work. Black fittings are for gas and oil.




On Reducing Fittings the Largest Size Governs the Price




**R-240. 90° Drainage Elbow**

Size Inches	Price
1 1/4	\$0.15
1 1/2	.20
2	.30




**R-241. 45° Drainage Elbow**

Size Inches	Price
1 1/4	\$0.15
1 1/2	.20
2	.30




**R-242. Long Turn Drainage Elbow**

Size Inches	Price
1 1/4	\$0.20
1 1/2	.25
2	.35



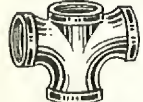
**R-243. Drainage T Branch**

Size Inches	Price
1 1/4	\$0.20
1 1/2 x 1 1/4	.30
1 1/2	.30
2	.50
2 x 1 1/2	.55



**R-244. Drainage Y Branch**

Size Inches	Price
1 1/4	\$0.33
1 1/2 x 1 1/4	.42
1 1/2	.40
2	.55
2 x 1 1/2	.60



**R-245. Drainage 90° Double Y Branch**

Size Inches	Price
1 1/4	\$0.45
1 1/2 x 1 1/4	.60
1 1/2	.53
2	.80
2 x 1 1/2	.95




**R-246. Drainage Street Elbow**

Size Inches	Price
1 1/4	\$0.23
1 1/2	.25


**Drainage 45° Street Elbow**

Size Inches	Price
1 1/4	\$0.23
1 1/2	.25




**R-247. Long Screw, Galvanized**  
For drainage work.

Size Inches	Price
1 1/4	\$0.55
1 1/2	.75
2	.95




**R-248. Malleable Elbow**

Size Inches	Black	Galv.
3/8	\$0.04	\$0.05
1/2	.06	.08
3/4	.08	.10
1	.09	.14
1 1/4	.15	.20
1 1/2	.20	.25
2	.35	.40



**R-249. Malleable 45° Elbow**

Size Inches	Black	Galv.
3/8	\$0.04	\$0.05
1/2	.06	.08
3/4	.08	.11
1	.11	.15
1 1/4	.18	.25
1 1/2	.25	.35
2	.40	.55



**R-250. Malleable 45° Street Elbow**

Size Inches	Black	Galv.
3/8	\$0.06	\$0.08
1/2	.06	.08
3/4	.08	.10
1	.13	.18
1 1/4	.19	.30
1 1/2	.26	.36
2	.45	.60




**R-251. Malleable Street Elbow**

Size Inches	Black	Galv.
3/8	\$0.05	\$0.06
1/2	.07	.09
3/4	.09	.12
1	.11	.15
1 1/4	.19	.25
1 1/2	.24	.31
2	.39	.50




**R-252. Malleable Tee**

Size Inches	Black	Galv.
3/8	\$0.06	\$0.08
1/2	.08	.10
3/4	.09	.12
1	.12	.17
1 1/4	.22	.30
1 1/2	.26	.40
2	.42	.65



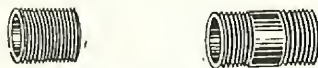
**R-253. Malleable Cross**

Size Inches	Black	Galv.
3/8	\$0.07	\$0.09
1/2	.11	.14
3/4	.17	.23
1	.24	.30
1 1/4	.30	.40
1 1/2	.41	.55
2	.65	.84




**R-254. Malleable Plug**

Size Inches	Black	Galv.
3/8	\$0.02	\$0.03
1/2	.02	.03
3/4	.03	.04
1	.04	.05
1 1/4	.05	.06
1 1/2	.06	.08
2	.07	.12




**R-255. Assorted Nipples**  
Close to 6 Inches

Size Inches	Black	Galv.
3/8	\$0.03	\$0.06
1/2	.04	.06
3/4	.05	.07
1	.07	.10
1 1/4	.09	.15
1 1/2	.10	.18
2	.14	.24
2 1/2	.30	..
3	.36	..




**R-256. Malleable Floor Flange Drilled**

Size Inches	Price
3/8	\$0.06
1/2	.09
3/4	.11
1	.12
1 1/4	.13
1 1/2	.15
2	.21




**R-257. Malleable Cap**

Size Inches	Black	Galv.
3/8	\$0.02	\$0.04
1/2	.04	.05
3/4	.06	.08
1	.09	.12
1 1/4	.11	.15
1 1/2	.13	.18
2	.22	.28



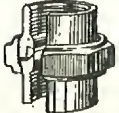
**R-258. Malleable Reducing Coupling**

Size Inches	Black	Galv.
3/8	\$0.03	\$0.04
1/2	.05	.06
3/4	.06	.08
1	.09	.14
1 1/4	.10	.17
1 1/2	.13	.20
2	.22	.32




**R-259. Standard Union**

Size Inches	Black	Galv.
3/8	\$0.12	\$0.18
1/2	.13	.19
3/4	.16	.24
1	.19	.30
1 1/4	.27	.42
1 1/2	.35	.54
2	.45	.69



**R-260. Brass and Iron Ground Joint Union**

Size Inches	Black	Galv.
3/8	\$0.12	\$0.24
1/2	.20	.30
3/4	.24	.35
1	.30	.45
1 1/4	.45	.70
1 1/2	.60	.90
2	.80	1.20



**R-261. Standard Coupling**

Size Inches	Black	Galv.
3/8	\$0.03	\$0.04
1/2	.04	.05
3/4	.05	.07
1	.07	.09
1 1/4	.08	.13
1 1/2	.11	.16
2	.14	.20
2 1/2	.30	.42
3	.45	.60



**R-262. Bushing**

Size Inches	Black	Galv.
3/8	\$0.03	\$0.05
1/2	.03	.05
3/4	.03	.07
1	.04	.08
1 1/4	.05	.09
1 1/2	.06	.14
2	.09	.18
2 1/2	.12	..
3	.20	..
4	.32	..

800-802  
SO. KEDZIE  
AVE.  
CHICAGO



# Pipe and Fittings



R-263. Standard Gas, Steam and Water Pipe

Best grade of wrought steel pipe free from defects.

Galvanized pipe should be used on supply and waste lines, such as drinking water pipe lines, etc. Black pipe is used for steam or hot water heating systems and gas work.

All pipe is furnished in 20-foot lengths, which are threaded on both ends and fitted with a coupling on one end. Our prices are based on full lengths and if less is required threads and couplings are not included.

Size Inches	Weight Per Foot	Black Price Per Ft.	Galvanized Price Per Ft.	Size Inches	Weight Per Foot	Black Price Per Ft.	Galvanized Price Per Ft.
3/8	1 1/2	\$0.03 1/2	\$0.05	1 1/2	2 3/4	\$0.12 1/2	\$0.16 1/2
1/2	4 7/8	.04 1/2	.06	2	3 3/4	.17	.22
3/4	1 3/4	.05 1/2	.07	2 1/2	5 3/8	.27	.34 1/2
1	1 3/4	.07 3/4	.10	3	7 1/2	.35	.45
1 1/4	2 1/4	.10 1/2	.13 1/2				

Cast fittings are used mainly in steam or hot water heating systems or on other cheaper installations. Made of best grade cast iron heavily constructed. On Reducing Fittings, the Largest Size Governs the Price.



R-264. Cast Iron Tee

Size Inches	Price	Size Inches	Price
3/4	\$.08	2	\$.24
1	.09	2 1/2	.44
1 1/4	.14	3	.66
1 1/2	.18		



R-265. Cast Iron Reducing Tee

Size Inches	Price	Size Inches	Price
3/4	\$.08	2	\$.29
1	.10	2 1/2	.50
1 1/4	.17	3	.75
1 1/2	.20		



R-266. Cast Iron Elbow

Size Inches	Price	Size Inches	Price
3/4	\$.05	2	\$.18
1	.07	2 1/2	.30
1 1/4	.10	3	.45
1 1/2	.12		



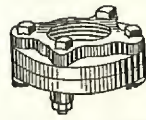
R-267. Cast Iron Reducing Elbow

Size Inches	Price	Size Inches	Price
3/4	\$.06	2	\$.10
1	.08	2 1/2	.30
1 1/4	.11	3	.51
1 1/2	.14		



R-268. Cast Iron 45° Elbow

Size Inches	Price	Size Inches	Price
3/4	\$.06	2	\$.20
1	.08	2 1/2	.36
1 1/4	.12	3	.54
1 1/2	.16		



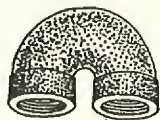
R-269. Cast Iron Flanged Union

Size Inches	Price	Size Inches	Price
1 1/2	.47c	2 1/2	.75c
2	.60c	3	.90c



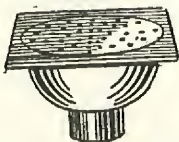
R-270. Cast Iron Close Pattern Return Bend

Size Inches	Price	Size Inches	Price
1	\$.13	2	\$.35
1 1/4	.17	2 1/2	.72
1 1/2	.24	3	1.02



R-271. Cast Iron Open Pattern Return Bend

Size Inches	Price	Size Inches	Price
1	\$.18	2	\$.48
1 1/4	.24	2 1/2	.81
1 1/2	.33	3	1.32



R-272. Floor Drain Trap

With loose cover provided with a deep bell seal preventing the escape of sewer gas. Used in basement and garage floors and in passage ways.

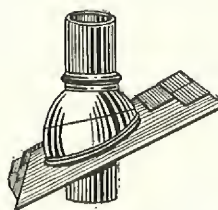
6x6 inches	\$.50
9x9 inches	.90



R-273. Combination Lead Closet Bend and Ferrule

For connecting soil pipe with closet bowl. To be flanged over floor and joint made to bowl with putty.

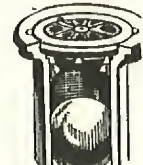
4x14 inches	\$.240
4x16 inches	2.60



R-274. Galvanized Roof Flange

Fits roof of any pitch. Lead collar at top calks down to soil pipe making tight connection. The flat surface is then covered by shingles or roofing.

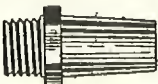
2-inch, Each	\$.85
4-inch, Each	1.00
5-inch, Each	1.45



R-275. Back Water Sewer Grate with Copper Float Ball

The only automatic double acting flood drain made. The copper ball prevents sewer water backing up into the basement. Drain is provided with a strainer to close valve when not in use. Heavy cast iron grate protects all working parts. Will fit regular sewer connection.

Each .....\$2.50



R-276. Brass Solder Nipple

For soldering to lead pipe or lead trap to make an iron pipe connection.

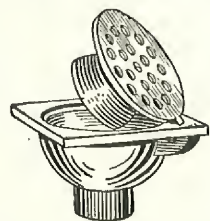
1/2-inch, Each	\$.14
3/4-inch, Each	.20
1-inch, Each	.28
1 1/4-inch, Each	.36
1 1/2-inch, Each	.50



R-277. Refrigerator Drain

To be placed under the ice box to receive drip from ice. Has removable bell to prevent sewer gas escaping into the house. Aluminum finish. Diameter 8 inches. Outlet for 1 1/4-inch iron pipe.

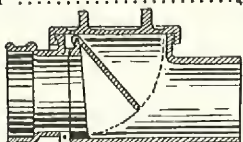
Each .....\$0.50



R-279. Floor Drain Trap

For use in basement or garage floors or passage way. Made of cast iron, hinged cover. Is equipped with a deep bell seal eliminating sewer gas.

6x6 inches	\$.80
9x9 inches	1.08



R-278. Back Water Valve

Made of cast iron. To be placed on the main line to the sewer to prevent back water. Equipped with aluminum gate so that the least pressure either way will instantly operate it.

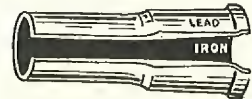
Size 4-in.	\$.25
Size 6-in.	7.00



R-280. Brass Solder Bushing

For soldering to lead pipe or lead trap to make an iron pipe connection.

1 1/4-inch, Each	\$.18
1 1/2-inch, Each	.24



R-281. Combination Lead and Iron Ferrule

4x 4 inches	\$.50
4x 6 inches	.85
4x10 inches	1.25
4x14 inches	1.60

**B. KAROL & SONS CO.**

# Soil Pipe and Fittings



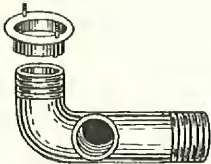
**R-282. Standard and Extra Heavy Weight Single Hub Soil Pipe in 5-Foot Lengths**

2 in. Stand. S. H., wt. 19 lbs., per length.....	<b>\$0.78</b>
4 in. Stand. S. H., wt. 35 lbs., per length.....	<b>1.35</b>
2 in. Ex. Hy. S. H., wt. 29 lbs., per length.....	<b>1.00</b>
4 in. Ex. Hy. S. H., wt. 65 lbs., per length.....	<b>2.00</b>



**R-283. Standard and Extra Heavy Weight Double Hub Soil Pipe in 5-Foot Lengths**

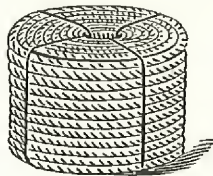
2 in. Stand. D. H., wt. 20 lbs., per length.....	<b>\$0.80</b>
4 in. Stand. D. H., wt. 36 lbs., per length.....	<b>1.40</b>
2 in. Ex. Hy. D. H., wt. 30 lbs., per length.....	<b>1.05</b>
4 in. Ex. Hy. D. H., wt. 68 lbs., per length.....	<b>2.15</b>



**R-284. Cast Iron Closet Bend**

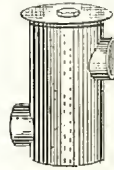
Used to connect closet bowl to sanitary tee in wall stack. Equipped with adjustable collar which connects to outlet of closet bowl. Finished tapped on both sides for 1½-inch iron pipe or plain. Size 4x1½ inches.

Price, Tapped .....**\$1.00**  
Price, Plain .....**.90**



**R-285. Oakum**

For calking iron soil pipe and fittings.  
Rope Oakum, per lb. ....**\$0.10**  
Spun Oakum, per lb. ....**.09**



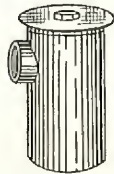
**R-286. Cast Iron Drum Trap**

With nickel-plated cover. Threaded for 1½ inch iron pipe 4x8 inches .....**\$1.00**



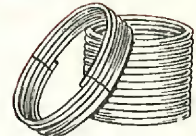
**R-289. Clean-out Plug**

With brass cap.  
2 inches .....**\$0.30**  
4 inches .....**.50**



**R-290. Cast Iron Drum Trap**

With nickel-plated cover. Side and bottom openings threaded for 1½-inch iron pipe.  
4x5 inches .....**\$0.90**



**R-287. Lead Pipe**

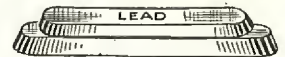
Size	Weight Per Ft.
1½ in., strong .....	1½ lbs.
1½ in., ex. strong.....	2½ lbs.
2 in., strong .....	2½ lbs.
2 in., ex. strong .....	3 lbs.
2½ in., strong .....	3 lbs.
2½ in., ex. strong .....	3½ lbs.
1½ in., aqueduct .....	2 lbs.
1½ in., light .....	3 lbs.
1½ in., aqueduct .....	3 lbs.
1½ in., light .....	4 lbs.
4 in., waste .....	5 lbs.
Price, per pound.....	<b>\$0.11</b>

Prices on all lead goods are subject to market changes.



**R-288. Plumber's Solder**

In bars of 1¼ pounds.....**\$0.65**



**R-291. Block Lead**

In 5-pound blocks. For calking soil pipe joints. ....**\$0.60**



**R-292. Cross Tapped for Iron Pipe**

Size Inches	Price
2x1½ Stand. ....	<b>\$0.75</b>
4x1½ Stand. ....	<b>.90</b>
4x2 Stand. ....	<b>.90</b>
2x1½ Ex. Hy. ....	<b>.90</b>
4x1½ Ex. Hy. ....	<b>1.10</b>
4x2 Ex. Hy. ....	<b>1.10</b>



**R-297. Y Branch**

Size Inches	Price
2x2 Stand. ....	<b>\$0.35</b>
4x2 Stand. ....	<b>.55</b>
4x4 Stand. ....	<b>.75</b>
2x2 Ex. Hy. ....	<b>.45</b>
4x2 Ex. Hy. ....	<b>.70</b>
4x4 Ex. Hy. ....	<b>.90</b>



**R-304. Clean-out Y**

Size Inches	Price
2 Standard .....	<b>\$0.95</b>
4 Standard .....	<b>1.60</b>
2 Ex. Heavy .....	<b>1.20</b>
4 Ex. Heavy .....	<b>2.00</b>



**R-293. Sanitary T Branch**

2-in. right or left side opening. Left hand opening shown.

Size Inches	Price
4 Standard .....	<b>\$1.40</b>
4 Ex. Heavy .....	<b>1.55</b>



**R-298. Sanitary T Branch**

Size Inches	Price
2x2 Stand. ....	<b>\$0.35</b>
4x2 Stand. ....	<b>.55</b>
4x4 Stand. ....	<b>.75</b>
2x2 Ex. Hy. ....	<b>.45</b>
4x2 Ex. Hy. ....	<b>.70</b>
4x4 Ex. Hy. ....	<b>.90</b>



**R-305. Pipe Rest**

For standard or extra heavy soil pipe.

Size Inches	Price
2-inch .....	<b>\$0.20</b>
4-inch .....	<b>.25</b>



**R-294. T Branch Tapped for Iron Pipe**

Size Inches	Price
2x1½ Stand. ....	<b>\$0.45</b>
4x1½ Stand. ....	<b>.65</b>
4x2 Stand. ....	<b>.65</b>
2x1½ Ex. Hy. ....	<b>.55</b>
4x1½ Ex. Hy. ....	<b>.80</b>
4x2 Ex. Hy. ....	<b>.80</b>



**R-299. Quarter Bend**

2-in. right or left side inlet. Right hand inlet shown.

Size Inches	Price
4 Stand. ....	<b>\$0.80</b>
4 Ex. Hy. ....	<b>1.00</b>



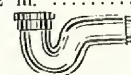
**R-306. Clean-out T**

Size Inches	Price
2 Standard .....	<b>\$0.95</b>
4 Standard .....	<b>1.10</b>
2 Ex. Heavy .....	<b>1.20</b>
4 Ex. Heavy .....	<b>1.40</b>



**R-295. Increaser for Ventilating Soil Stack**

Size Inches	Price
2x4x24 .....	<b>\$0.80</b>
4x5x30 .....	<b>1.25</b>
4x24 tapped 1½ or 2 in. ....	<b>1.25</b>



**R-300. P Trap**

Size Inches	Price
2 Standard .....	<b>\$0.55</b>
4 Standard .....	<b>.90</b>
2 Ex. Heavy .....	<b>.70</b>
4 Ex. Heavy .....	<b>1.20</b>



**R-302. Offset**

Size Inches	Price
2x12 Stand. ....	<b>\$0.75</b>
4x12 Stand. ....	<b>1.05</b>
2x12 Ex. Hy. ....	<b>.90</b>
4x12 Ex. Hy. ....	<b>1.30</b>

Other sizes can be furnished.



**R-307. Eighth Bend**

Size Inches	Price
2 Stand. ....	<b>\$0.20</b>
4 Stand. ....	<b>.40</b>
2 Ex. Hy. ....	<b>.25</b>
4 Ex. Hy. ....	<b>.55</b>



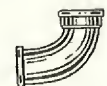
**R-296. Reducer**

Size Inches	Price
4x2 Stand. ....	<b>\$0.25</b>
4x2 Ex. Hy. ....	<b>.30</b>



**R-301. Quarter Bend 2-in. heel inlet.**

Size Inches	Price
4 Stand. ....	<b>\$0.80</b>
4 Ex. Hy. ....	<b>1.00</b>



**R-303. Quarter Bend**

Size Inches	Price
2 Stand. ....	<b>\$0.25</b>
4 Stand. ....	<b>.45</b>
2 Ex. Hy. ....	<b>.35</b>
4 Ex. Hy. ....	<b>.55</b>

800-802  
SO. KEDZIE  
AVE.  
CHICAGO

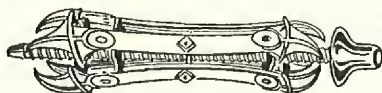


# Tools and Supplies



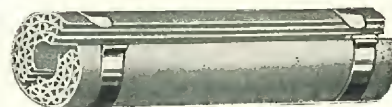
R-308. Spiral Wire Flue Cleaner.

Size	Price
2 -inch	\$0.30
2 1/2 -inch	.45
3 -inch	.54



R-310. Flue Scraper.

Size	Price
2 -inch	\$1.20
2 1/2 -inch	1.50
3 -inch	1.80



R-309. Asbestos Air-Cell Pipe Covering. For covering pipes on heating systems. Will reduce your coal bills and improve your heating system. Furnished in 3-foot lengths, 3/4 inch thick. Complete with canvas jacket and metal bands.

Size Inches	Price per Length	Size Inches	Price per Length
3/4 or 1/2	\$0.24	3	\$0.45
1	.27	3 1/2	.50
1 1/4	.30	4	.57
1 1/2	.34	4 1/2	.60
2	.37	5	.74
2 1/2	.40	6	.84



R-311. Furnace Putty. Made of asbestos fiber combined with other fireproof materials. Easily worked between joints of boilers and furnaces and when dry becomes as hard as the iron on which it is used.

3-lb. can .....\$0.35  
5-lb. can ..... .45



R-314. Plumber's Putty. Used to set closet bowls and for making connections on enameled fixtures. Can also be used for any putty purpose.

1-lb. can.....\$0.10  
5-lb. can..... .40  
10-lb. can..... .75  
25-lb. pail..... 1.25



R-319. Cutting Oil. A high grade oil for plumbers and steam fitters. Will not thicken in cold weather and will save your tools.

1 gal. cans.....\$1.25



R-323. Automatic Steam Air Vent. Made of brass nickel-plated. For removing air out of steam radiators. Closes automatically when radiator is filled with steam. Price, each .....\$0.25



R-312. Asbestos Cement. Used for covering heating boilers, smoke pipes, range boilers, etc., to prevent loss of heat. It is made of asbestos and cement and is mixed like plaster and applied about 1 1/2 inches thick. Packed in 100-pound bags.

Per bag .....\$1.70

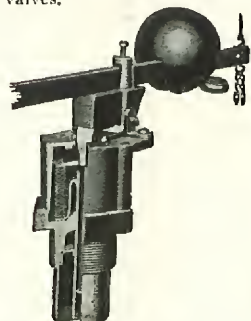


R-315. Pipe Joint Cement. Used on threads to make pipe joint tight. Prevents rusting. 1 lb. can ....\$0.35



R-320. Loose Key Air Valve. For removing air from hot water radiators. Equipped with loose key.

Price, each.....\$0.10  
Extra Key, each......05  
One key furnished with six valves.

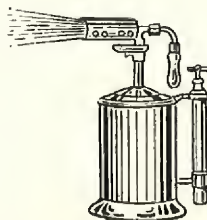


R-326. Damper Regulator. For use on hot water supply and hot water heating boilers. It saves its cost many times during the heating season, as it operates against the temperature of the water, opening and closing the draft accordingly. Complete with chain, pulleys, screws, weights and rods. ....\$12.50

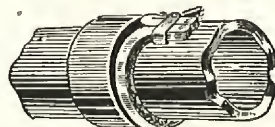


R-313. Perforated Hanger Iron. For use with steel hanger rings. Comes in 10-foot lengths.

Per length .....\$0.30



R-316. Plumber's Torch. Made of high grade polished brass. Used for soldering, burning off old paint, thawing frozen water pipes, etc. It is very convenient around the home for repair jobs on automobiles, radios, plumbing, etc. Holds one quart of gasoline.....\$3.75

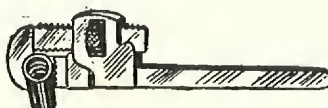


R-321. Improved Joint Runner. Always needed for pouring lead into horizontal joints of soil pipe. Fits close to soil pipe hub preventing lead from leaking out. Fitted with pouring lip and clamps.....\$1.65



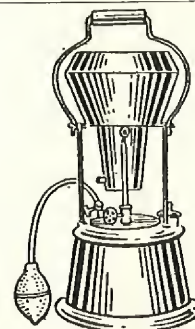
R-324. Saunders Pipe Cutter. Made of malleable iron with tool steel cutting wheels. The wheel cuts a groove in the pipe and the two rollers smooth the edges so that the dies take hold readily when threading the pipe.

No. 1 cuts pipe 1/8 to 1 inch.....\$1.50  
No. 2 cuts pipe 1 to 2 inch..... 2.25



R-327. Genuine Trimmo Pipe Wrench. This is a highly recommended, well made, durable pipe wrench. Absolutely guaranteed.

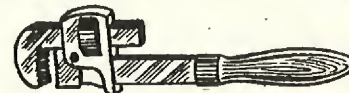
10-inch holds pipe 1/8 to 1 inch.....\$0.90  
14-inch holds pipe 1/4 to 1 1/2 inch..... 1.15  
18-inch holds pipe 3/4 to 2 inch..... 1.90  
24-inch holds pipe 1 to 2 1/2 inch..... 2.70  
36-inch holds pipe 1 1/2 to 3 1/2 inch..... 5.00



R-317. Plumber's Gasoline Blast Furnace. Used for melting lead and solder and, by removing top, may be used as a torch for thawing water pipes. The best constructed furnace on the market. Capacity of reservoir one gallon...\$5.50



R-318. Pouring Ladle. Made of malleable iron for pouring lead and solder. ....\$0.35

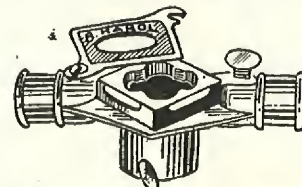


R-322. Guaranteed Stillson Wrench. Made of high grade tool steel. Parts are interchangeable with any standard Stillson wrench.

10-inch holds pipe 1/8 to 1 inch.....\$0.75  
14-inch holds pipe 1/4 to 1 1/2 inch..... 1.05  
18-inch holds pipe 3/4 to 2 inch..... 1.50



R-325. Melting Pot. Made of cast iron for melting lead and solder. Used in connection with plumber's furnace. Size 5 inch...\$0.45



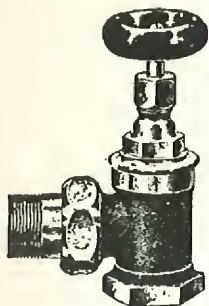
R-328. Easy Pipe Threader. For threading wrought pipe. Stocks are made of malleable iron and dies are of tempered tool steel.

No. 1 Stock and 5 dies 1/4 to 1 in.....\$6.30  
No. 2 Stock and 3 dies 1 1/4 to 2 in..... 8.70  
Extra Dies and Guides

No. 1 Dies.....\$0.95 Guides.....\$0.25  
No. 2 Dies..... 1.50 Guides..... .45

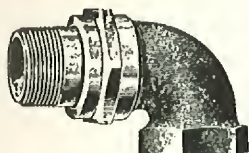
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# Heating Accessories



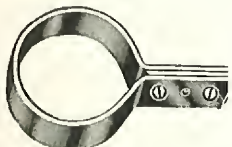
**R-329. Hot Water Radiator Valve.** Made of solid brass, nickel-plated. One half turn opens valve to full capacity.

Size Inches	Price
3/4	\$0.88
1	1.07
1 1/4	1.37
1 1/2	1.74



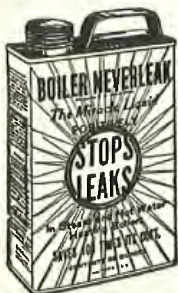
**R-333. Hot Water Union Elbow.** For hot water radiators. Made of solid brass nickel plated.

Size Inches	Price
3/4	\$0.50
1	.60
1 1/4	.80
1 1/2	1.00



**R-343. Hanger Rings.** Made of steel band for hanging pipes. Furnished complete with bolts.

Size In.	$\frac{3}{4}$	1	$1\frac{1}{4}$	
Price, ea.	.....5c	6c	7c	
Size In.	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, ea.	.8c	9c	10c	11c



**R-347. Boiler Compound.** For stopping leaks in cast iron steam or hot water heating boilers.

Qt. Can	\$2.50
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**R-330. Steam Radiator Valve.** Made of solid brass, nickel-plated and equipped with best quality composition disc.

Size Inches	Price
3/4	\$1.00
1	1.20
1 1/4	1.50
1 1/2	1.95



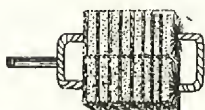
**R-334. Swing Check Valve.**

Size Inches	Price
1/2	\$0.78
3/4	.88
1	1.10
1 1/4	1.45
1 1/2	1.85
2	2.50



**R-339. Square Head Steam Cock.** Made of solid brass. Used for shut-off in feed water line to steam or hot water boiler.

Size Inches	Price
1/2	\$0.55
3/4	.75
1	1.05



**R-344. Steel Wire Flue Brush.** For cleaning cast iron heating boilers and furnaces. Tapped for 3/8 inch iron pipe size.

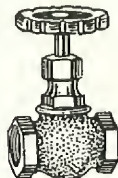
Size Inches	Price
2x4x6	\$1.00



**R-348. Low Pressure Pop Safety Valve.**

Used on steam heating boilers. Made of iron and brass. Valves are set to blow off at 15 pounds.

Size Inches	Price
3/4	\$2.10
1	2.40
1 1/4	2.70
1 1/2	3.30



**R-331. Brass Globe Valve.** Heavily made. Will stand 100 lbs. pressure.

Size Inches	Stand- ard	Composi- tion Disc
3/8	\$0.48	\$0.75
1/2	.56	.96
3/4	.70	1.32
1	1.00	1.68
1 1/4	1.41	2.40
1 1/2	1.96	3.30
2	2.96	5.25

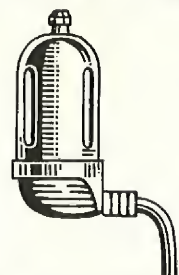


**R-335. Vertical Check Valve.**

Size Inches	Price
1/2	\$0.50
3/4	.63
1	.90
1 1/4	1.26
1 1/2	1.75
2	2.65



**R-340. Graphite Packing**  
1/4 pound reel .....\$0.35



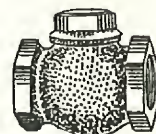
**R-345. No. 2 Syphon Air and Vacuum Valve.** This vent is just the one you have wanted for many years. Built on the same principle as the higher priced vents having no better features. When your steam plant cools down, there naturally is a contraction by the receding of the pressure, beside that pressure which is always in the air. The check in the vent prevents the pressure from going all the way back to the boiler, so that when your steam is again generated, it is not required to force its way back to the radiator, as is prevalent when using a common, ordinary carbon or syphon air valve. This valve alone will save you considerable in fuel costs and wastes, besides the replacement of the cheap type vents, which usually is done every season.

Price, each .....\$0.75



**R-332. Gate Valve.**

Size Inches	Price
1/2	\$0.83
3/4	1.03
1	1.40
1 1/4	1.85
1 1/2	2.50
2	3.65



**R-336. Horizontal Check Valve.**

Size Inches	Price
1/2	\$0.45
3/4	.58
1	.80
1 1/4	1.13
1 1/2	1.60
2	2.37



**R-341. Rubber Diaphragms.** Used on low pressure steam boilers.

Size Inches	Price
7	\$0.45
8	.51
9	.60
10	.75



**R-346. Galvanized Expansion Tank.** Used on hot water heating system to provide for contraction and expansion of water. Made of steel, galvanized inside and outside. Tank is furnished complete with water gauge. Size of inlet and overflow is 1 inch.

Capacity	Price
10 gallons.	\$ 7.80
15 gallons.	8.55
20 gallons.	11.40
26 gallons.	12.60

**R-349. Hot Water Thermometer.**

For hot water heating systems. Indicates temperature up to 260 degrees. Size of pipe thread 1/2 inch.

Each .....\$0.75



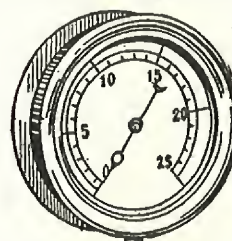
**R-337. Angle Valve.**

Size Inches	Price
1/2	\$0.56
3/4	.70
1	1.00
1 1/4	1.41
1 1/2	1.96
2	2.96



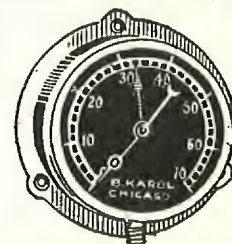
**R-338. Floor and Ceiling Plates.** Nickel-plated steel adjustable floor and ceiling plates to be used where steam or hot water pipes are exposed in the rooms.

Size In.	3/4	1	1 1/4	1 1/2	2
Price ea.	7c	9c	10c	11c	12c



**R-342. Low Pressure Steam Gauge.** Used on steam boilers. Diameter 4 1/2 inches. Threaded for 1/4 inch iron pipe. Complete with stop cock.

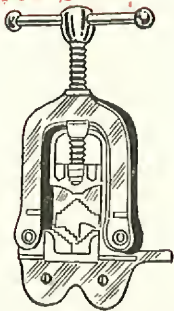
Price .....\$1.75



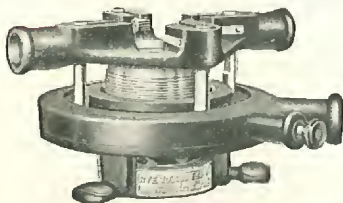
**R-350. Altitude Gauge.** For showing height of water in hot water heating boiler. Diameter 4 1/2 inches. Threaded for 1/4 inch iron pipe.

Price each .....\$1.65

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AVE.  
CHICAGO**



R-351. Pipe Vise, made of malleable iron. Steel jaws. Has side latch and hinge allowing frame to be opened quickly for removing pipe. Extra heavy type. Holds pipe  $\frac{1}{8}$  to  $2\frac{1}{2}$  inch. \$3.35



R-352. Ratchet Stock Complete, \$12.00.  
Toledo Type Ratchet Stock and Dies.

The easiest operating threading device that was ever offered. A boy can operate it successfully. It consists of only three main parts, the rear portion or pipe holder, the taper pin section which is the center and the die head section which is the front. The feature of the outfit is the ratchet attachment which not only makes the threading a simple matter but enables the user to get in the close places to thread pipe without using both hands. The complete set in a nice wooden box contains two handles, the stock, and all dies and guides from 1 inch to 2 inch inclusive.

This outfit can be furnished with an adaptor whereby your small solid dies can be used eliminating the necessity of carrying two sets of tools.

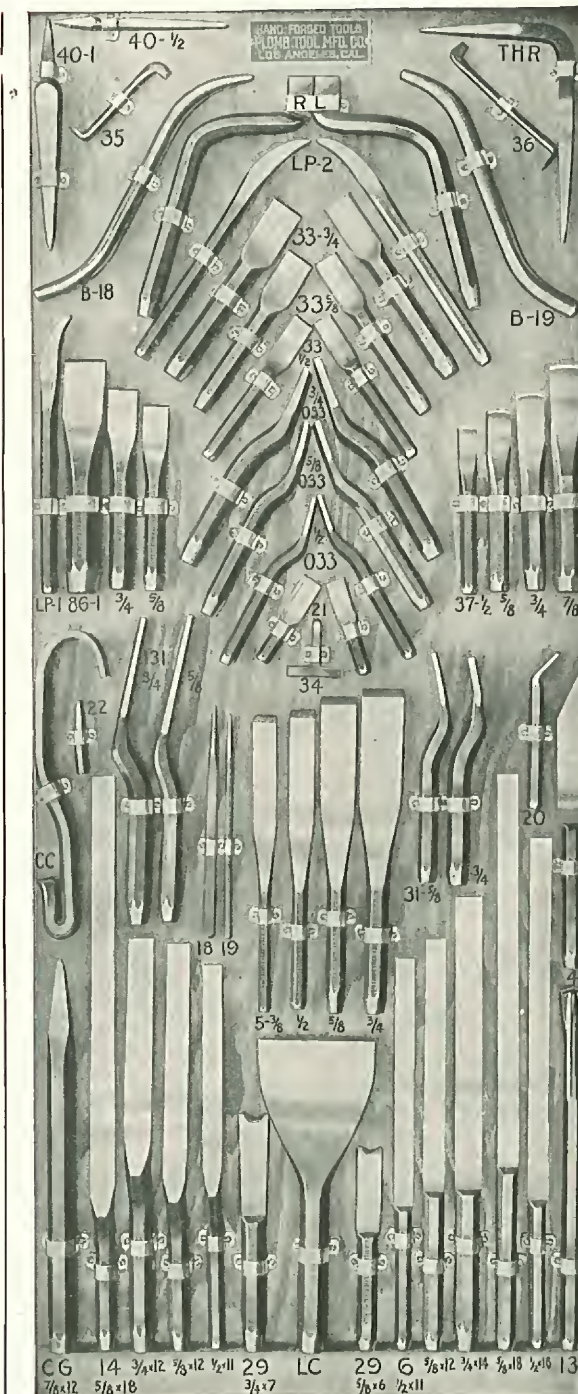


R-352A Dies, \$1.25  
R-352B Adaptor, \$0.50

# Hand Forged Tools

R-353. These hand forged tools are made of the hardest, toughest tool steel and are guaranteed against defects when properly used.

For prices refer to the list following, using number of tool on the illustration.



No.	Price
40	$\frac{1}{2}$ Brace Reamer.....\$0.75
40	1 Brace Reamer..... 1.50
THR	$\frac{1}{2}$ Hand Reamer..... 1.20
35	$\frac{1}{4}$ Offset Screw Driver..... .40
36	$\frac{1}{4}$ Auto Screw Driver..... .50
BI-8	$\frac{1}{2}$ x10 Bending Iron..... .40
BI-9	$\frac{5}{8}$ x10 Bending Iron..... .50
RL	$\frac{5}{8}$ x9 Right and Left Calkers, Prs. 1.50
LP-2	$\frac{1}{2}$ x9 Lead Picking Tool, Prs..... 1.20
LP-1	$\frac{1}{2}$ x9 Lead Picking Tool, Straight, Single ..... .60
33	$\frac{3}{4}$ Long Calkers, Prs..... 1.20
33	$\frac{5}{8}$ Long Calkers, Prs..... 1.00
33	$\frac{1}{2}$ Long Calkers, Prs..... .80
O33	$\frac{3}{4}$ Offset Long Calkers, Prs..... 1.40
O33	$\frac{5}{8}$ Offset Long Calkers, Prs..... 1.20
O33	$\frac{1}{2}$ Offset Long Calkers, Prs..... 1.00
21	$\frac{1}{2}$ Pony Calkers, Prs..... .80
86	$\frac{5}{8}$ Cold Chisel ..... .40
86	$\frac{3}{4}$ Cold Chisel ..... .55
86	1 Cold Chisel ..... .90
37	$\frac{1}{2}$ Soil Pipe Chisel..... .40
37	$\frac{5}{8}$ Soil Pipe Chisel..... .50
37	$\frac{3}{4}$ Soil Pipe Chisel..... .65
37	$\frac{7}{8}$ Soil Pipe Chisel..... .90
34	T Screw Drivers, 3 Blades..... .60
CC	$\frac{5}{8}$ x12 Ceiling Calker..... 1.50
22	$\frac{3}{8}$ Gas Fitters' Calker..... .22
31	$\frac{5}{8}$ Short Gasket Calker..... .60
31	$\frac{3}{4}$ Short Gasket Calker..... .80
131	$\frac{5}{8}$ Long Gasket Calker..... .70
131	$\frac{3}{4}$ Long Gasket Calker..... .90
20	$\frac{1}{2}$ Elbow Calker ..... .40
4	$\frac{5}{8}$ Plugging Chisel ..... .70
5	$\frac{3}{8}$ Stock $\frac{5}{8}$ Cut Floor Chisel..... .60
5	$\frac{1}{2}$ Stock $\frac{3}{4}$ Cut Floor Chisel..... .80
5	$\frac{5}{8}$ Stock 1 Cut Floor Chisel..... 1.00
5	$\frac{3}{4}$ Stock $1\frac{1}{8}$ Cut Floor Chisel..... 1.20
18	$\frac{3}{8}$ x7 Sq. Scratch Awl..... .40
19	$\frac{3}{8}$ x7 Oct. Scratch Awl..... .25
CG	$\frac{7}{8}$ x12 Concrete Gad ..... 1.25
14	$\frac{5}{8}$ x18 Offset Yarner ..... 1.20
14	$\frac{5}{8}$ x12 Offset Yarner ..... .90
14	$\frac{3}{4}$ x14 Offset Yarner ..... 1.20
14	$\frac{1}{2}$ x11 Offset Yarner ..... .80
6	$\frac{1}{2}$ x11 Spring Yarner ..... .80
6	$\frac{5}{8}$ x12 Spring Yarner ..... .90
6	$\frac{3}{4}$ x14 Spring Yarner ..... 1.20
6	$\frac{5}{8}$ x18 Spring Yarner ..... 1.20
6	$\frac{1}{2}$ x18 Spring Yarner ..... 1.10
29	$\frac{3}{4}$ x7 Slitting Chisel ..... .80
29	$\frac{5}{8}$ x6 Slitting Chisel ..... .60
LC	Lead Cutter ..... 3.00
13	$\frac{3}{4}$ Star Drill..... 1.40

# Jacketed Boilers

## FOR STEAM AND HOT WATER

### BEAUTY and EFFICIENCY

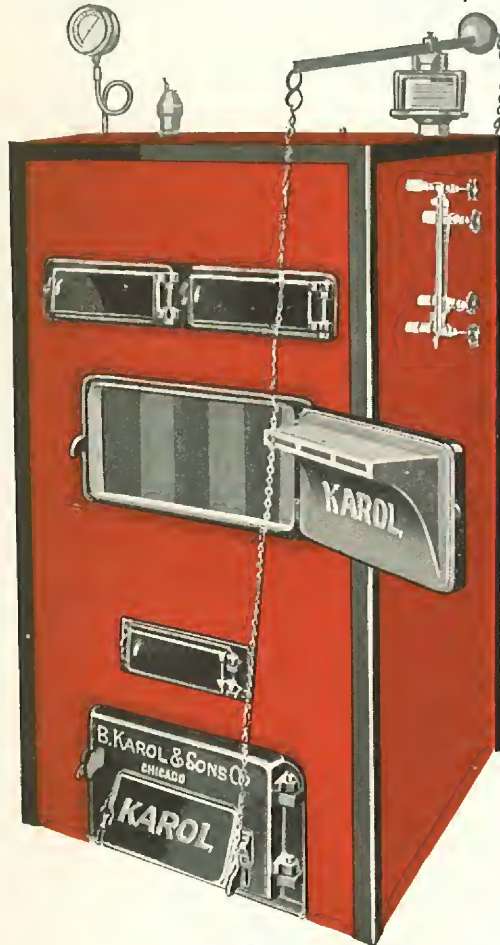
The STEEL JACKET heating boiler marks the greatest improvement in heating equipment you can have in your home. It is absolutely without equal for producing heat, for conserving heat and concentrating heat. In designing this beautiful boiler for your home, we have taken into consideration the desires of a home owner. A home owner seeks a beautiful bathroom with beautiful fixtures; and now you can have

a beautiful basement and an efficient heating boiler.

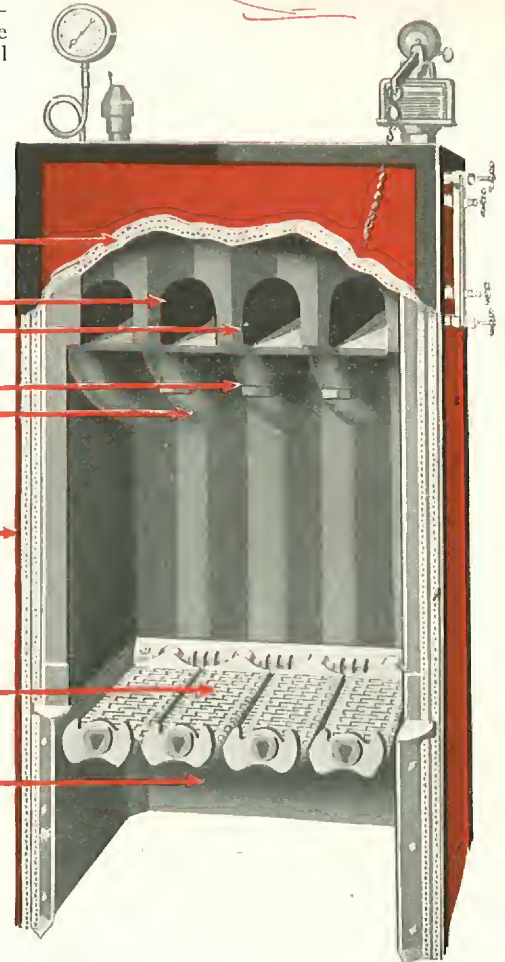
### BURNING YOUR COAL TWO TIMES MEANS GREAT SAVINGS

This steel case is insulated with one inch thick air-cell asbestos throughout. This casing being insulated keeps all the heat inside the boiler, as no cold air can reach or escape it. Heating engineers everywhere claim that when a boiler is covered as is this one, the efficiency is greatly increased. It follows out the idea of the government's experts in burning the coal two times.

The sectional illustration shows the interior view, also the air-cell asbestos, so that you may see for yourself the construction of the most efficient boiler possible for the residential home. Do not be misled, or confuse this style JACKETED boiler with some of those on the market today equipped with a square jacket on a round boiler. The proper efficiency cannot be had from this construction. In other words you get nothing more than what a regular round boiler offers and pay additional money for the covering.



R-354. Hot Water Boiler



Note thick air-cell asbestos, that is on the inside of the steel casing. This asbestos covers the entire boiler.

Note the individual fire-travels, regardless of how many sections the boiler may have, each section carries its individual fire-travel and is surrounded by water on three sides.

Each section has an extra water section which hangs into the fire-pot right over the flames. Regardless of how many sections the boiler may have, each section carries an extra water section.

A clinker can be crushed between any two grates, saving the dropping of the fire over the whole fire bed. They allow 52% of air to pass through them, yet burn No. 1 thickset or Soft Coal efficiently.

The exceptionally large base has plenty of air space. The air passes through the grates with ease and helps to make proper combustion in the fuel bed.

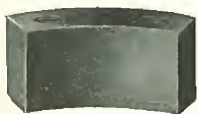
R-355. Steam Boiler

Boiler Number	Rating Square Feet	Tappings Supply Return	Smoke Pipe Size	Price
W-1-J-5	850	3 in.	7 in.	\$ 91.00
W-1-J-6	1100	3 in.	8 in.	112.00
W-1-J-7	1350	3 in.	8 in.	133.00
W-1-J-8	1700	3 in.	8 in.	154.00
W-2-J-6	2100	3 in.	8 in.	236.00
W-2-J-7	2600	3 in.	8 in.	265.00
W-2-J-8	3000	3 in.	8 in.	294.00

LARGER SIZES ARE QUOTED ON APPLICATIONS  
All prices on heating materials are subject to change without notice.

Boiler Number	Rating Square Feet	Tappings Supply Return	Smoke Pipe Size	Price
S-1-J-5	500	3 in.	7 in.	\$102.50
S-1-J-6	650	3 in.	8 in.	126.00
S-1-J-7	800	3 in.	8 in.	149.50
S-1-J-8	1000	3 in.	8 in.	173.00
S-2-J-6	1300	3 in.	8 in.	236.00
S-2-J-7	1550	3 in.	8 in.	265.00
S-2-J-8	1800	3 in.	8 in.	294.00

LARGER SIZES ARE QUOTED ON APPLICATIONS  
All prices on heating materials are subject to change without notice.



R-356. Hot Water Coil

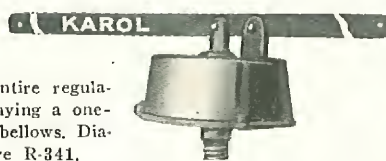
**\$1.00**

Cast iron hot water coil for use in connection with boilers of all makes, which will heat up to 50 gallons per hour. Comes equipped with pipe and fittings to bring connection through fire pot openings. When ordering specify spread. Furnace coils to fit any furnace.....\$1.00

R-357. Low Pressure Automatic Damper Regulator

For Steam Boilers **\$4.95**

Made of cast iron and can be taken apart to replace diaphragm. Not necessary to discard the entire regulator as is the case when buying a one-piece outfit with the metal bellows. Diaphragm shown under figure R-341.



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# Heating Boilers

**KAROL Steam and Water Boilers for Hard and Soft Coal, Coke, Lignite or Oil**

**A Hot Water Coil Furnished Free with Every Boiler**

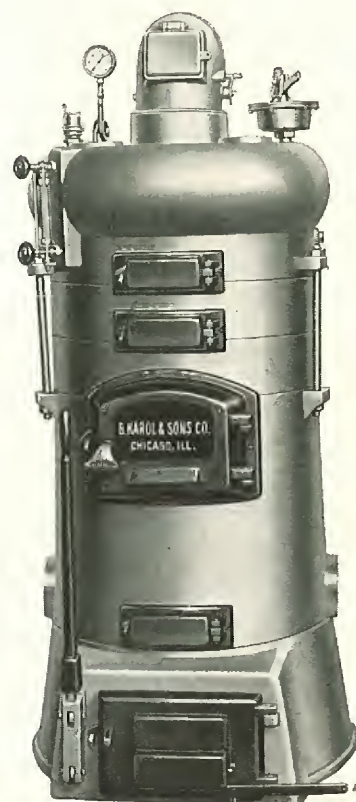
KAROL Steam and Water Boilers have been most carefully designed and constructed with the view of giving the householder honest value in return for every dollar he invests in one of our heating plants. All of our boilers are manufactured in strict conformity with the best known and recognized boiler construction codes. Each boiler has the proper marking cast upon the dome section, designating that it is so constructed. This is an important safeguard in purchasing hot water or steam boilers.

There is no greater advantage or value to be added to your home than the comforts offered by a good STEAM or HOT WATER HEATING plant. This convenience is now available to every home owner at a very small cost, due to the wonders obtained from our engineering service, where ideas, methods, etc., have been thoroughly studied. Heating plants of this type are much more sanitary and considerably more healthful. You will not have cold drafts sweeping over the floors or cold corners in the house. Your home will always be evenly heated to a uniform temperature with less fuel need, than on any other type or make of heating system. The only attention that really must be given is to refill with fuel, and this is so simple an operation that any child can take care of it.

We maintain a staff of heating experts who figure out your requirements if you will send a sketch of your building showing the layout of your rooms, the locations of the radiators, and the style or type that you may desire. Our draftsmen will design your complete job and besides serve you with a blue print working plan that will enable you or any handy man to install your job and besides save you a lot of money.

The pig iron which is used in making our boilers must pass a rigid chemical analysis before being accepted by us, and is afterward melted under most careful supervision by a competent engineer.

The machining operations are done with machine-shop equipment especially built for the purpose. Each machine operation performed is tested with an accurate jig. The highest possible standard is assured you when you purchase our boiler. We absolutely guarantee against defects, both in material and workmanship, therefore all defective castings will be replaced free of charge.



R-359. Steam Boiler



R-358. Water Boiler

## MEASUREMENTS AND RATING DATA

### R-359—Steam Boilers

Size of Boiler	Rating Square Feet	Height to Top Outlet	Size Grate Diam.	Size of Tapping	Size Smoke Pipe	Shipping Weight Pounds	Price
420-S	400	49 in.	20 in.	2½ in.	8 in.	850	\$ 88.20
520-S	450	55 in.	20 in.	2½ in.	8 in.	950	97.65
620-S	500	60 in.	20 in.	2½ in.	8 in.	1065	106.05
423-S	550	51 in.	23 in.	3 in.	8 in.	1050	99.50
523-S	600	57 in.	23 in.	3 in.	8 in.	1160	108.50
623-S	700	62 in.	23 in.	3 in.	8 in.	1300	125.25
526-S	850	57 in.	26 in.	3 in.	10 in.	1350	122.00
626-S	900	63 in.	26 in.	3 in.	10 in.	1525	157.00
529-S	1100	58 in.	29 in.	4 in.	10 in.	1680	156.55
629-S	1200	65 in.	29 in.	4 in.	10 in.	1850	196.60

### R-358—Water Boilers

Size of Boiler	Rating Square Feet	Height to Top Outlet	Size Grate Diam.	Size of Tapping	Size Smoke Pipe	Shipping Weight Pounds	Price
420-W	700	45 in.	20 in.	2½ in.	8 in.	750	\$ 71.15
520-W	750	49 in.	20 in.	2½ in.	8 in.	850	79.75
620-W	800	55 in.	20 in.	2½ in.	8 in.	965	88.20
423-W	900	45 in.	23 in.	3 in.	8 in.	910	83.00
523-W	1000	50 in.	23 in.	3 in.	8 in.	1050	93.00
623-W	1100	56 in.	23 in.	3 in.	8 in.	1200	108.00
526-W	1300	52 in.	26 in.	3 in.	10 in.	1230	107.50
626-W	1400	57 in.	26 in.	3 in.	10 in.	1425	137.50
529-W	1700	57 in.	29 in.	4 in.	10 in.	1490	156.55
629-W	1950	58 in.	29 in.	4 in.	10 in.	1690	178.75

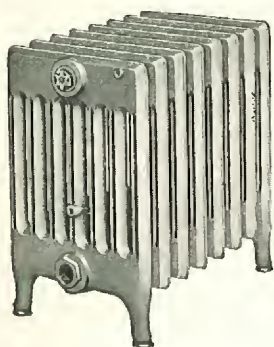
All Prices on Heating Materials are Subject to Change Without Notice.

**B. KAROL & SONS CO.**

# Radiators for Hot Water or Steam

Our new "ARTISTIC" type radiators impress all the name implies. Our heating engineers worked incessantly and perfected a radiator which cannot be surpassed in beauty, design and heating efficiency. A large opening between the tubes or columns and increased air space between the sections contribute a speedy transmission of heat; while smaller than the old type, the air circulating freely and rapidly above each section increases its radiating surface and efficiency. The most skeptical can now be convinced as to its classical beauty and graceful contour of perfection, this harmonizing with the most delicate decorations and interior finish.

All of our radiators are made of the best quality iron, thoroughly tested and absolutely guaranteed to be free from all imperfections. They are all finished off perfectly and are made strong and solid so that the roughest of handling can do them no harm. Radiators are furnished in any number of sections that may be desired.

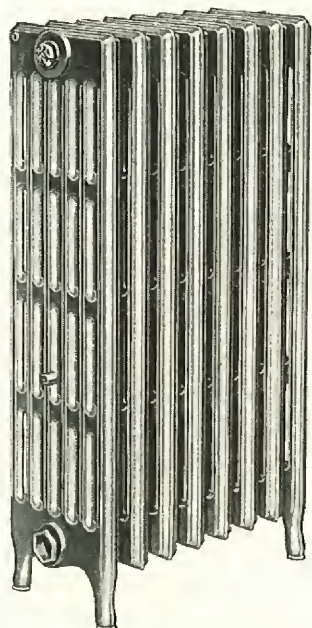


R-360. 7 Tube Radiator.

The most popular for placing under windows, being wide enough to place a seat on. Being 12 inches wide on this account does not require as long a radiator as the other styles for the regulation living or dining room where usually placed. Carried in 2 heights.

20 in. high, 3 $\frac{3}{4}$  ft. per section.  
Price per foot .....\$0.35

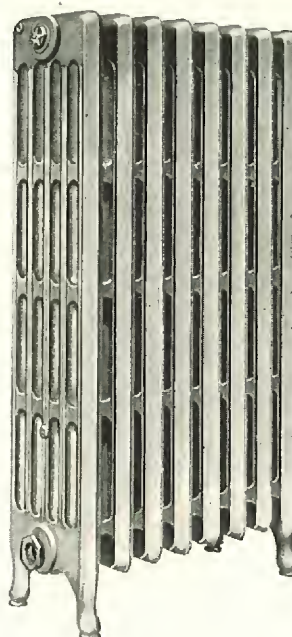
17 in. high, 3 ft. per section.  
Price per foot.....\$0.36



R-361. 6 Tube Radiator. This is a more or less special type of radiator as it carries considerable radiation and still is small. Carried in 2 heights.

38 in. high, 6 ft. per section.  
Price per foot .....\$0.32

20 in. high, 3 ft. per section.  
Price per foot .....\$0.35

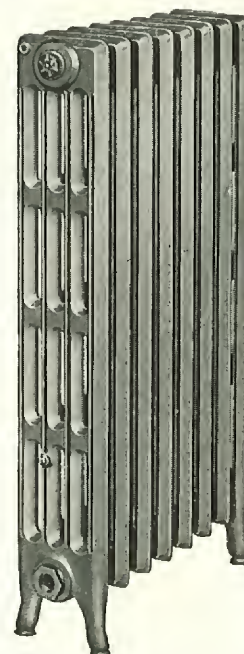


R-362. 5 Tube Radiator. The regular standard type, cheapest of all and generally used in all heating jobs. Carried in three heights.

38 in. high, 5 ft. per section.  
Price per foot .....\$0.32

26 in. high, 3 $\frac{1}{2}$  ft. per section.  
Price per foot.....\$0.34

20 in. high, 2 $\frac{3}{4}$  ft. per section.  
Price per foot.....\$0.35



R-363. 4 Tube Radiator. This type is used in narrow rooms being only 6 $\frac{1}{2}$  inches wide. Carried only in 38 inches high; has 4 $\frac{1}{4}$  ft. per section. Price per foot .....\$0.33

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# Karol Warm Air Furnace

**"For Those Who Want the Best"  
Sold at  
Surprisingly Low Prices**



A Hot Water Coil is furnished free with every  
Furnace.

**T**HERE is no better furnace for durability, economy, ease of operation or installing—than the Karol. They are scientifically designed by expert heating engineers to produce a maximum amount of heat with less fuel.

Compare the weight, construction and specifications of this furnace with other furnaces and you will be convinced (considering quality); it is today's greatest furnace value.

We have gained the confidence of the buying public, by building our furnaces without exception, to the highest standard of quality. It's usually the hidden parts of a furnace that test its ability to give solid comfort all winter long. Karol furnaces assure dependable performance—we do not substitute cheaper materials to lower our price. Every part has a guaranteed quality.

Karol Warm Air Furnaces are fitted with the improved flat type, draw center clinker free grates. They are furnished with the one piece heavy corrugated fire pots as pictured.

**R-364  
Warm Air  
Pipe Furnace**

Furnace Numbers	Size Inches	Diameter Casing Inches	Total Height Inches	Diameter Smoke Pipe Inches	Size Feed Door	Heating Capacity Cu. Ft.	Approx. Ship. Wts. Complete with Casings Pounds	Price
418A	18	36	57	8	10 x13	10,000	900	\$ 55.00
420A	20	39	60	8	10 x13	14,000	1,025	65.00
422A	22	42	62	9	11 x14	22,000	1,125	70.00
424A	24	45	64	9	11 x14	28,000	1,250	80.00
428A	28	59	67	10	11½x16½	45,000	1,550	105.00

Note the heavy weights of this furnace.

Shipped from Chicago stock.

**B. KAROL  
& SONS  
CO.**

# Karol Pipeless Furnace

## The Ideal Heating Plant For Heating Home With One Pipe

**T**HE pipeless furnace is the ideal heating plant for heating an entire home with one pipe. This furnace is of the same construction and embodies all the improved features as our pipe furnace, the only difference being in casing.

The casings on our pipeless furnaces are constructed of three separate and distinct galvanized casings. These are as follows: The outer casing. The descending cool air from the room above is returned between this outer and inner casing. We next have the inner casing and we then have an extreme inner casing, or a casing that is spaced one inch from the inner casing, and this spacing is to permit an air space between the ascending warm air and the descending cool air, as the warm air ascends through the extreme inner casing while the cool air descends between the inner casing and the outer casing. This style casing is much more efficient and trouble proof than any makeshift casings lined with such materials as asbestos sheets and bright tin that are used in cheaper furnaces.

### Oxidized Steel Register

Karol Pipeless Furnaces are furnished with a fabricated steel register, oxidized finished, har-

monizing with the finest furnishings. This type of register is stronger and more efficient than the ordinary cast registers. The fabricated steel register has about 40% more free air space than a cast register. It has an actual open area of about 82%, an important factor in pipeless furnaces.



### R-365 Pipeless Furnace

Furnace Numbers	Size Inches	Diameter Casing Adjustable Inches	Height of Casing From	Diameter Smoke Pipe Inches	Size Feed Door Inches	Register Size Inches	Heating Capacity Cu. Ft.	Approx. Shipping Weight Complete Pounds	Price
518A	18	40	6 ft. to 8 ft.	8	10 x13	28x28	10,000	1,025	\$ 65.00
520A	20	43	6 ft. to 8 ft.	8	10 x13	30x30	14,000	1,190	75.00
522A	22	46	6 ft. to 8 ft.	9	11 x14	34x34	22,000	1,350	85.00
524A	24	48	6 ft. to 8 ft.	9	11 x14	36x36	28,000	1,500	95.00
528A	28	59	6 ft. to 8 ft.	10	11½x16½	42x42	45,000	1,875	120.00

Note the heavy weight of this furnace.

Shipped from Chicago stock.

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# Exclusive Karol Features

## Insure Confidence and Customer Satisfaction

Extra Heavy



All Joints Positively Gas Tight  
One-Piece Corrugated Fire Pot

The fire pot is of the approved one-piece construction. The casting is extra heavy, and has deep corrugations which add to the strength and life of the fire pot. The corrugations are both out and inside and assure a constant circulation of air to the burning fuel around the edge of the fire pot.

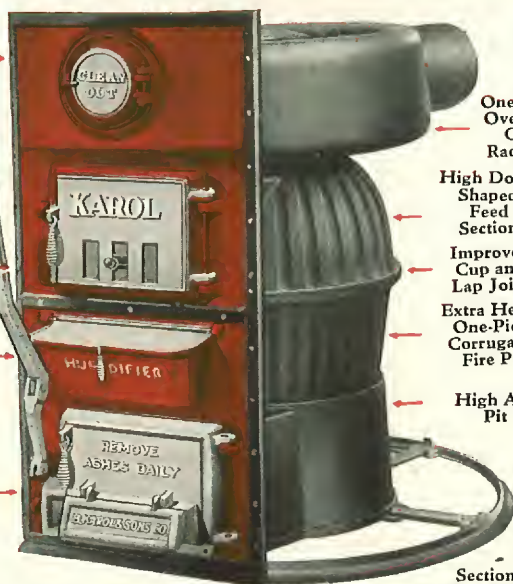
Extra Heavy Cast Front

Improved Upright Shaker

Large Feed Door

Extra Large Water Pan Hinged Lid

Large Ash Door



One-Piece Oversize Cast Radiator

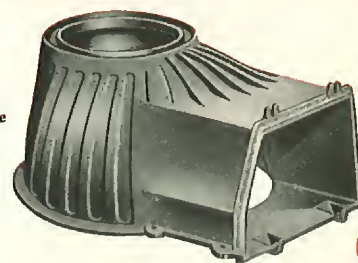
High Dome Shaped Feed Section

Improved Cup and Lap Joint

Extra Heavy One-Piece Corrugated Fire Pot

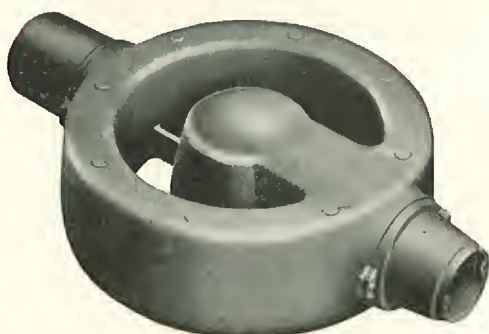
High Ash Pit

Sectional Base Ring Insures Perfect Fit



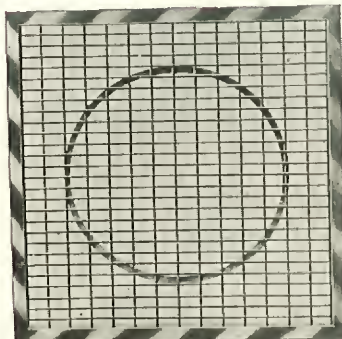
High Feed Section  
Corrugated—Dome-Shaped

Made of heavy cast iron, has deep corrugations inside as well as outside. The high and dome shape causes gases and smoke to burn quickly. All joints are positively gas tight.

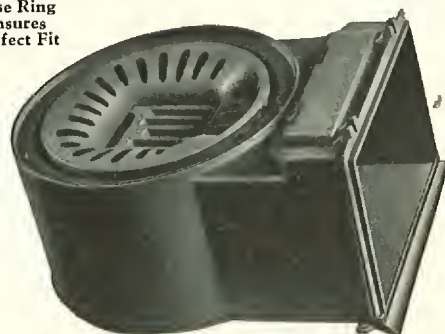


Oversize One Piece Radiator

Made in one piece of the highest quality cast iron. It is much larger in diameter and heating surface than most furnaces. It is of horseshoe shape and extends around and over the fire dome. All heat and unburned gases must pass entirely through this radiator before going into the chimney, thus utilizing every atom of heat.



This heavy fabricated steel register neatly finished in oxidized copper harmonizes with the finest decorations. It is regular equipment in our pipeless furnace.



Ash Pit Showing Improved Flat Grate Assembly  
Grates are Roller Bearing

The ash pit is high and made extra heavy which assures a roomy pit and a firm, substantial foundation for the heavy upper sections. A high ash pit also prevents the burning out of grates.

Grates are the improved flat type with the center drop clinker clean-out. Grate revolves by upright waist high shaker handle which works easily on roller bearings and avoids stooping.



Extra Large Water Pan

All our furnaces have a large easily accessible water pan or humidifier which sets directly under feed door, close to fire pot. This water pan assures healthful moist air in every room.

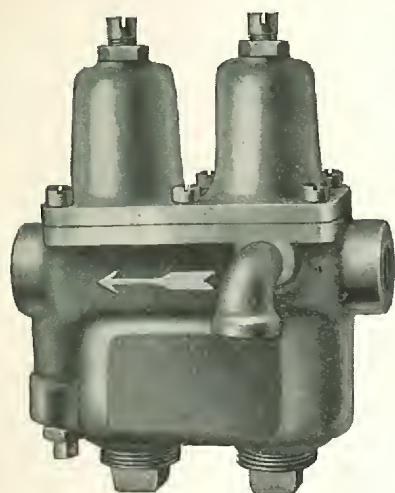
Cleanout and Smoke Pipe Collars



Both the cleanout collar and the smoke collar have deep grooves that are filled with asbestos packing and furnace cement, this gives you a double lap seal joint and is an extra safeguard. Asbestos packing is furnished with each furnace.

**B. KAROL & SONS CO.**

# Automatic Hot Water Pressure System



Eliminate the expansion tank, carry a uniform and slightly higher pressure in the system and decrease the air pockets in high points of piping as a result.

Save a very definite amount of fuel—allow the water to absorb more heat from the boiler due to the higher pressure, this speeds up the circulation so the water reaches the radiators piping hot.

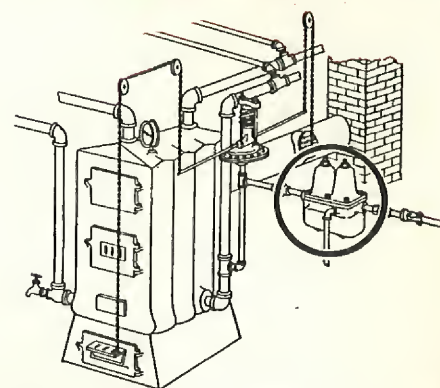
R-366.....Price **\$14.75**

## THE IMPROVED MODEL—

Built of bronze, the Control has a large, easily cleaned strainer ahead of the working parts for their protection; a wide opening regulator to supply the water, this also protected by another strainer and—

A By-Pass Valve that is used to fill the system quickly and prevent foreign matter in the piping from choking up the entire unit—

All within one compact sturdy body casing.



Automatic—the old way was to periodically fill the hot water system by hand—then constantly watch it.

With the Control it is filled once by hand—then forgotten. Installation—easily installed on both old and new jobs—one size is adequate for all installations. Simply cut out a six-inch length of the supply pipe to the system and install the Control—that's all!

How It Operates—the unit is a combined regulator, relief valve, by-pass valve and strainer. Once installed, and the system filled through the by-pass, the action is automatic.

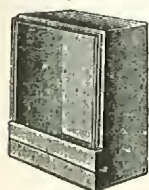
The regulator constantly maintains a pressure of not less than 10 pounds within the system and the relief valve prevents the pressure going high enough to be dangerous. The by-pass is for quick filling and the strainer protects the unit and the entire system.

What It Accomplishes—reduces air pockets due to the higher pressure carried and consequently speeds up circulation. This feature is naturally a great fuel saver.

Completely replaces the expansion tank and tank piping with a compact automatic unit that requires no watching or worry—and costs considerably less.

## Register Fittings for Warm Air Furnaces

**R-367. Wall Box for One Register.** Use with first floor baseboard registers. Base is extra wide, the baseboard to be entirely cut away as the base of the box will project beyond. Allows a large volume of air to pass to the register.



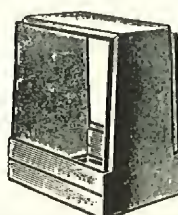
For Size Register	Price
8x10 .....	<b>\$1.38</b>
9x12 .....	<b>1.44</b>
10x12 .....	<b>1.59</b>
11x13 .....	<b>1.92</b>



**R-370. Floor Register Box.** Highly efficient funnel pattern. Strongly made.

For Register Size	Collar	Price
8x10.....	8	<b>\$0.43</b>
9x12.....	9	<b>.52</b>
10x12.....	10	<b>.58</b>
12x14.....	12	<b>.69</b>
14x16.....	14	<b>1.15</b>

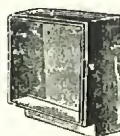
**R-368. Wall Box for Two Registers.** Extra large capacity. Used on first floor baseboard where it is desired to heat two adjoining rooms with a single lead of pipe.



For Size Register	Price
8x10 .....	<b>\$1.05</b>
9x12 .....	<b>1.77</b>
10x12 .....	<b>1.92</b>
11x13 .....	<b>2.31</b>

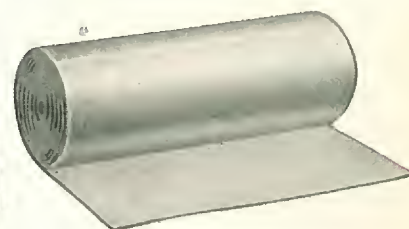
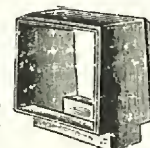
**R-371. Wall Box for One Register for Fitting on the Second Floor.** For baseboard register. Narrow throat to fit the regular narrow wall stack going through the plaster to reach second floor.

For Size Register	For Size Wall Stack	Price
8x10	3x10	<b>\$1.38</b>
9x12	3x12	<b>1.44</b>



**R-369. Second Floor Double Wall Box.** For heating two adjoining rooms on second floor. Bottom of register comes flush with floor.

For Size Register	For Size Wall Stack	Price
8x10	3x10	<b>\$1.65</b>
9x12	3x12	<b>1.77</b>



**R-373. Asbestos Paper.** For covering furnace pipes. This asbestos paper is an absolutely fireproof material being made of natural mineral asbestos fibers reduced to a pulp and spread out into a sheet of uniform thickness. 50 pound rolls sufficient for a furnace outfit.

Price per roll ..... **\$4.00**  
Cold Water Paste, 2 1/2 lb. pkg. **.35**

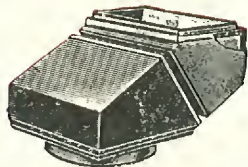
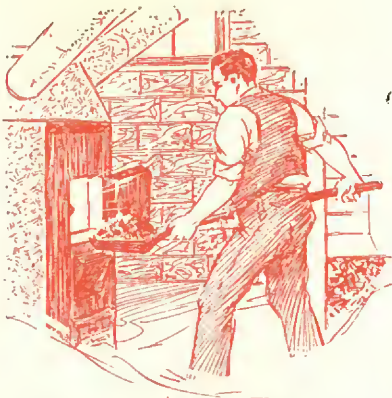


**R-372. Boot for Register Box.** For first floor wall box for one register.

Size Register and Wall Box	Collar Inches	R-372 Price	R-372A Price
8x10 .....	9	<b>\$1.38</b>	<b>\$1.68</b>
9x12 .....	10	<b>1.44</b>	<b>1.80</b>
10x12 .....	10	<b>1.50</b>	<b>1.92</b>
11x13 .....	12	<b>1.80</b>	<b>2.32</b>

(See next page for additional fittings.)

**800-802  
SO. KEDZIE  
AVE.  
CHICAGO**



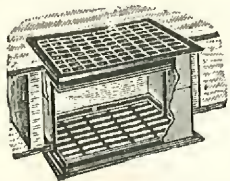
**R-377. Boot and Offset.** For offsetting girders in the basement to reach first floor wall boxes where baseboard registers are used.

For single opening first floor wall box.

Size Register and Wall Box	Size Collar	Price
8x10.....9		<b>\$2.34</b>
9x12.....10		<b>2.46</b>
10x12.....10		<b>2.64</b>
11x13.....12		<b>3.36</b>

**R-378.** For double opening.

Size Register and Wall Box	Size Collar	Price
8x10.....9		<b>\$2.67</b>
9x12.....10		<b>2.94</b>
10x12.....10		<b>3.15</b>
11x13.....12		<b>4.10</b>



**R-384. Floor and Ceiling Register.**

Pressed steel. Used to let heat from first floor up to second floor. Recommended for heating with pipeless furnaces to distribute the heat. The ceiling part is enameled white and the floor register is black japan. Held securely together by strong steel springs and is adjustable from 7 to 12 inches.

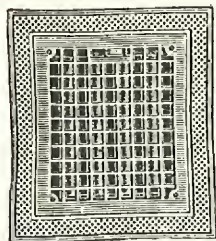
Size Inches	Price
8x10.....	<b>\$2.64</b>
9x12.....	<b>3.24</b>
10x12.....	<b>3.84</b>
10x14.....	<b>4.56</b>
12x14.....	<b>6.00</b>



**R-385. Stack Boot for Second Floor.**

Used in connection with double stack to second floor.

For Stack Size	Size Collar	Price
3x10.....	8	<b>\$1.26</b>
3x12.....	9	<b>1.41</b>



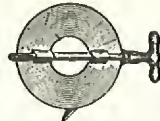
**R-374. Steel Warm Air Floor Registers.** If you wish a border with register, be sure to order it separately at the price shown. The back of register frame is equipped with improved shutters with foot pedal.

Always specify a register having a combined area of openings equal to the area of the warm air pipe which supplies it. For instance, a 9-inch pipe should have at least a 9x12 register.

Size Inches	Registers	
	Black Japan	Oxidized Copper
8x10.....	<b>\$0.99</b>	<b>\$1.89</b>
9x12.....	<b>1.26</b>	<b>2.40</b>
10x12.....	<b>1.44</b>	<b>2.64</b>
12x14.....	<b>2.61</b>	<b>4.11</b>

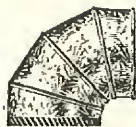
Size Inches	Borders	
	Black Japan	Oxidized Copper
8x10.....	<b>\$0.75</b>	<b>\$1.65</b>
9x12.....	<b>.99</b>	<b>2.13</b>
10x12.....	<b>1.05</b>	<b>2.25</b>
12x14.....	<b>1.68</b>	<b>3.21</b>

Prices for larger sizes on application.



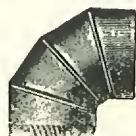
**R-379. Smoke Pipe Damper.** Simple and effective. Saves coal bills.

Size Inches	Price
7.....	<b>\$0.36</b>
8.....	<b>.48</b>
9.....	<b>.60</b>
10.....	<b>.72</b>
12.....	<b>.84</b>



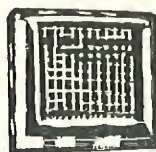
**R-386. Galvanized Elbows for Smoke and Cold Air Pipe.** Adjustable to any angle. Very convenient for making odd turns, etc., such as are occasionally encountered to overcome obstructions in basements. Made of 26-gauge galvanized iron.

Size Inches	Price	Size Inches	Price
7.....	<b>\$0.36</b>	14.....	<b>\$1.05</b>
8.....	<b>.42</b>	16.....	<b>1.35</b>
9.....	<b>.48</b>	18.....	<b>1.65</b>
10.....	<b>.55</b>	20.....	<b>1.90</b>
12.....	<b>.75</b>	22.....	<b>2.20</b>
		24.....	<b>2.60</b>



**R-389. Adjustable Elbows for Warm Air Pipe.** Adjustable to any angle from straight to 90 degrees. For making connection from furnace to register boxes, stacks, etc., in basement.

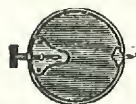
Size Inches	Price	Size Inches	Price
8.....	<b>\$0.28</b>	10.....	<b>\$0.35</b>
9.....	<b>.30</b>	12.....	<b>.50</b>
		14.....	<b>.85</b>



**R-375. Steel Baseboard Register.**

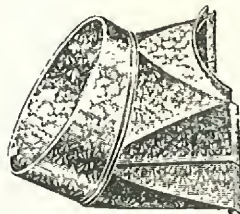
Face can be removed for cleaning out register. Made of pressed steel. Mention size wanted.

Size Inches	Black Japan	Oxidized Copper	White Japan
8x10.....	<b>\$1.20</b>	<b>\$2.10</b>	<b>\$1.41</b>
9x12.....	<b>1.80</b>	<b>2.70</b>	<b>2.10</b>
10x12.....	<b>2.40</b>	<b>3.45</b>	<b>2.76</b>
11x13.....	<b>2.70</b>	<b>4.05</b>	<b>3.15</b>



**R-380. Warm Air Damper.** Easily attached. Efficient and satisfactory.

Size Inches	Price
8.....	<b>\$0.20</b>
9.....	<b>.22</b>
10.....	<b>.24</b>
12.....	<b>.36</b>
14.....	<b>.48</b>



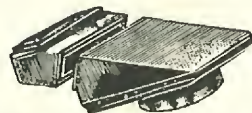
**R-382. Furnace Shoe for Round Cold Air Pipe.** For connecting round cold air pipe into bottom of furnace casing. Collar can be adjusted from angle of 90 degrees to straight out. Made of 26-gauge galvanized steel. Mention diameter of furnace.

Size of Collar	Ship. Wt. Lbs.	Price
16 in.....	7	<b>\$3.72</b>
18 in.....	8	<b>4.35</b>
20 in.....	9	<b>4.89</b>
22 in.....	10	<b>5.70</b>
24 in.....	12	<b>6.42</b>



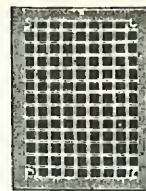
**R-387. Double Tin Safety Wall Pipe.** Self-locking double construction. Lengths range from 2 inches up to 2 feet. Any length can be obtained without cutting, by assembling sections of different length and using our adjustable stack joint.

Size Stack	Length of Piece, Inches	Price
3x10	30c	<b>\$1.08</b>
	36c	
	42c	
	54c	
3x12	42c	<b>1.20</b>
	48c	
	60c	
	69c	



**R-390. Boot and Offset for Second Floor.** For offsetting girders in basement, to make connection to our standard double wall stack.

For Stack Size	Collar Size	Price
3x10.....	8	<b>\$1.86</b>
3x12.....	9	<b>2.07</b>



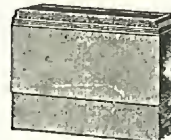
**R-376. Steel and Wood Cold Air Faces.**

Size Inches	Very Attractive	
	Wood Oak Finish	Black Japan
16x20.....	<b>\$1.33</b>	<b>\$ 3.05</b>
20x24.....	<b>2.00</b>	<b>4.30</b>
24x30.....	<b>3.00</b>	<b>8.60</b>
30x30.....	<b>3.75</b>	<b>10.75</b>



**R-381. Pitch Bonnet Collar. (Galvanized).** For connecting warm air pipe to curved side of pitch bonnet of furnace casing.

Size Inches	Price
8.....	<b>\$0.24</b>
9.....	<b>.28</b>
10.....	<b>.30</b>
12.....	<b>.36</b>
14.....	<b>.45</b>



**R-383. Adjustable Stack Joint.** Two pieces of Wall Stack telescoping within each other. Length can be adjusted within 1/100-inch from 7 to 13 inches. Should be used on every stack leading to the second floor.

For Size Stack	Price
3x10.....	<b>\$0.90</b>
3x12.....	<b>1.05</b>



**R-388. Galvanized Pipe for Smoke or Cold Air.** Made of 26-gauge galvanized iron. Shipped nested. Joints are fitted and the pipe assembled on the job. Improved patented lock seam needs only to be hammered down. Furnished in two-foot lengths.

Size Inches per Lgth.	Price	Size Inches per Lgth.	Price
7.....	<b>\$0.39</b>	14.....	<b>\$0.70</b>
8.....	<b>.43</b>	16.....	<b>.80</b>
9.....	<b>.47</b>	18.....	<b>.95</b>
10.....	<b>.52</b>	20.....	<b>1.10</b>
12.....	<b>.62</b>	22.....	<b>1.35</b>
		24.....	<b>1.60</b>



**R-391. Nested Tin Furnace Pipe.** Shipped nested, as illustrated. Special patented joint makes assembling simple. Needs only an ordinary hammer to hammer down the seam. Furnished in two-foot lengths.

Size Inches per Lgth.	Price	Size Inches per Lgth.	Price
8.....	<b>\$0.40</b>	10.....	<b>\$0.50</b>
9.....	<b>.45</b>	12.....	<b>.60</b>
		14.....	<b>.95</b>

**B. KAROL & SONS CO.**

B. KAROL & SONS CO  
*of Chicago*

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